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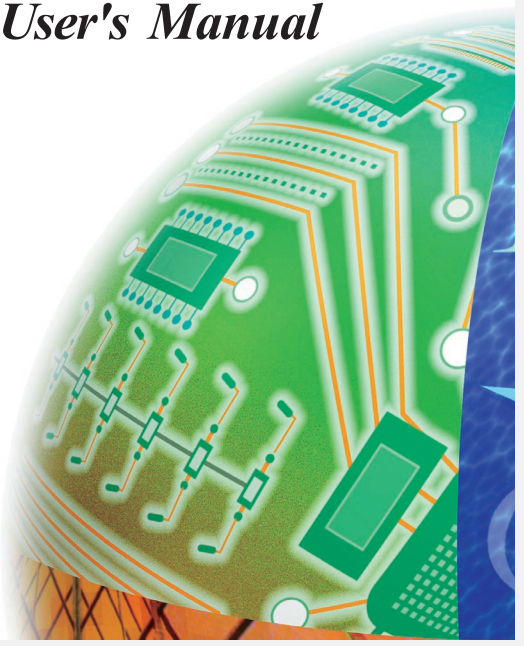
Konica

Force 65

User's Manual



Network Printing System

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Konica Force 65

Network Printing System

User's Manual

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MAINTENANCE AGREEMENT:
The KONICA Force 65 Network Printing System will give you many years of trouble-free service. To ensure high-quality printing performance and to prevent premature wear or failure of precision parts and components, schedule periodic cleaning and routine adjustments.

We recommend that you contact your service center to discuss the benefits and advantages of Konica's Customer Service Maintenance Agreement and to be shown how a maintenance plan can be tailored to your individual printing needs.

NOTICE:
Konica Business Technologies, Inc. has made every effort to ensure that the information in this manual is complete and accurate. However, constant efforts are also being made to improve and update the product. Therefore, Konica Business Technologies, Inc. shall not be liable for errors in this manual or for any consequential damage resulting from the use of this manual. The information contained herein is subject to change without notice.

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Section 1: Introduction

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Introduction

To the User

Welcome to the Konica Force 65 Network Printing System, which includes the main body engine, the print controller, and the optional network interface card. Separate user documentation is provided with the print controller and the network interface card.

This User's Manual describes the layout of the main body machine configured with both standard and optional equipment and explains control panel functions and procedures for all operations. This manual also includes basic engine specifications, and information on media requirements, maintenance, supplies, safety measures, and troubleshooting tips.

Be sure to read this manual thoroughly before operating the equipment and keep it in a handy location for the convenience of all users.

Konica is committed to serving you in the best way possible and we welcome your comments on this manual. If you wish to send us your comments, please use our mailing address displayed in the front of this book.

Introduction

Features Overview

The Konica Force 65 Network Printing System connects the Konica Force 65 main body engine to the IP-511 Printer Controller, enabling the system to function as a network printer or print server on the network.

- All-Image Area

Prints completely to the edges of the paper to avoid image loss.

- ATS - Automatic Tray Switching

Automatically switches to another paper tray when a tray becomes empty during a print job.

- Auto Low Power

Automatically lowers the power after a specified period of printer inactivity.

- Auto Reset

Automatically resets to printer defaults after a specified period of printer inactivity.

- Auto Shut-Off

Automatically shuts off the main power after a specified period of printer inactivity.

- Booklet

Creates letter R or ledger size booklets from letter size originals in duplex mode.

- Chapter

Places chapter pages on the righthand side in duplex mode.

- Combination

Prints a fixed number (2, 4, or 8) of pages onto one sheet of print paper.

- Counter List

Displays on the screen and prints the following data: total counter of the machine and the date when the counter started.

- Image Shift

Creates or removes a binding margin at the top, bottom, right and left edges (shift amount from 0 ~ 250mm, in 1mm increments); reduces image to prevent image loss (reduce & shift amount from 0 ~ 250mm, in 1mm increments).

- Machine Status Confirmation

Displays the current machine status on LCD for confirmation.

Introduction

Features Overview (continued)

- Manual Shut-off

Shuts off the main power when pressing [POWER SAVER ON/OFF] key.

- Non Standard Size for Multi-Sheet Bypass Tray

Allows special paper size to be loaded in the Multi-sheet bypass tray and entered using the touch screen keypad in order to avoid paper misfeed.

- Output mode for Machine with FS-110/210 Finisher Installed:
  Non-Sort, Sort, Staple-Sort, and Group modes using the primary (main) tray
  Non-Sort Face Down exit, Non-Sort Face Up exit, Group Face Down exit, and Group Face Up exit modes using the secondary (sub) tray
  Folding, Stapling & Folding, and 3-Folding modes using the booklet tray (FS-210 only)

- Output mode for FS-110/210 Finisher with PI-110 Cover Sheet Feeder Installed:
  Cover Sheet mode
  Manual Staple mode

For details of each output mode, see Section 6: Output Modes.

- Paper Capacity

Total 2,600 sheets, including two 500-sheet trays, a 1,500-sheet tray, and a 100-sheet Multi-sheet bypass tray.
Total 6,600 sheets, including 4,000-sheet optional large capacity tray.

- Power Saver

Automatically turns off all but nominal power supply after a specified period of printer inactivity, for optimal efficiency. Power is returned after a brief warm up period by pressing the [POWER SAVER ON/OFF] key on the Control panel.

- Proof Print

To ensure correct output before running multiple prints, run a proof print by touching **PROOF PRINT** on the Check Screen.

- Punch Mode for FS-110/210 Finisher with PK-110/120 Punching Kit Installed:

Punches three holes in output prints.

- Punch / Z-Folding Mode for FS-110/210 Finisher with PZ-108 Punching / Z-Folding Unit Installed:

Punches three holes in output prints and Z-fold printed sheets.

Introduction

Features Overview (continued)

- Repeat Image

Accepts the horizontal image area across the page, and repeats it down the page as many times as the repeat width setting (10 ~ 150mm) permits, in manual or auto.

- Reverse Image

Reverses the image from black-on-white to white-on-black or vice versa.

- Sheet/Cover Insertion

Inserts up to 30 blank or printed sheets from any tray including the Multi-Sheet Bypass Tray, or inserts blank or printed front and back covers from any tray including the Multi-Sheet Bypass Tray.

- Stamp

Imprints a stamp onto the print image.

- Staple

Selects the stapling position and number of staples (3 positions).

- STD Size (Special)

Detects standard paper sizes which cannot normally be detected (A4R and A5) when loaded in a main body tray. A5R and F4 sizes are detected when loaded in the Multi-sheet bypass tray.

- Tab Paper

Prints onto tabbed sheets from tabbed data, allowing the image on the tab part of the original to be printed on the same part of the tabbed print paper.

- Transparency Interleave

Prints onto transparency film and interleave blank or printed paper for each print data.

- Web Utilities

Manages the machine from PC over the internet.

- Weekly Timer

Can be set according to the needs of each work environment. Turns main body power Off/On daily or weekly, during lunch time, on holidays, and also enables the Timer Interrupt mode, which allows temporary use of the machine even when the machine is in the daily, weekly, or holiday Off Mode.

Introduction

Features Overview (continued)

- Wide Size Paper

Prints onto paper slightly larger than the specified regular size.

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Safety Information

User Instructions

The following pages include important safety information, which you must read and understand before you attempt to operate the machine. If you have any concerns about safety matters, please contact your service representative. Keep this manual located permanently with the machine, so that this safety information is readily available.

Machine safety labels are attached to the internal area of the machine. The purpose of safety labels is to alert you of imminent or potentially hazardous situations or conditions. Be sure to heed all safety label information. If the safety labels become illegible due to soilage, etc., please contact your service representative for information about label replacements. Sample safety labels are shown on the following page.

TO AVOID GETTING BURNED do not touch any part of the machine that you are advised not to touch by a warning or caution label.

DO NOT REMOVE WARNING OR CAUTION LABELS.
Clean labels as needed to maintain legibility. If any warning or caution label is removed or becomes illegible from soilage, please contact your service representative for information about label replacements.

The following standard safety categories are commonly used on product labelling.

DANGER:
Danger indicates an imminent hazardous situation, which, if not avoided, will result in death or serious injury.

Note:
The DANGER category is not required for this product, and is only included here for general user information.

WARNING:
Warning indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

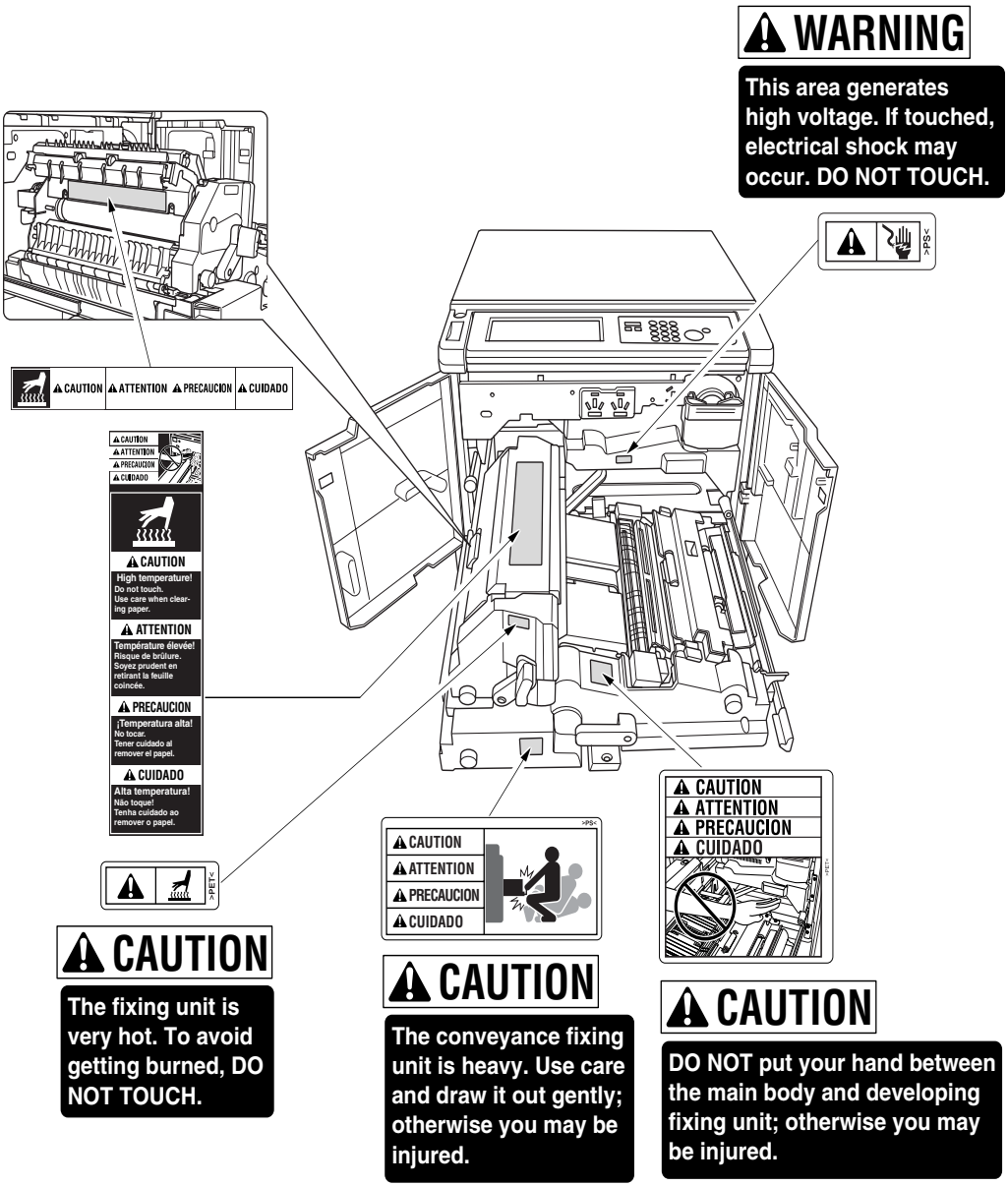
CAUTION:
Caution indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate bodily injury.

NOTICE:
Notice provides information on the correct handling or use of the machine to prevent breakage of the printer or some machine part, etc. It does not indicate concern for personal safety.

Safety Information

Machine Labels

Label Locations


WARNING
This area generates high voltage. If touched, electrical shock may occur. DO NOT TOUCH.
CAUTION ATTENTION PRECAUCION CUIDADO
CAUTION
High temperature! Do not touch. Use care when clearing paper.
ATTENTION
Température élevée! Risque de brûlure. Soyez prudent en retirant la feuille coincée.
PRECAUCION
¡Temperatura alta! No tocar. Tener cuidado al remover el papel.
CUIDADO
Alta temperatura! Não toque! Tenha cuidado ao remover o papel.
CAUTION
The fixing unit is very hot. To avoid getting burned, DO NOT TOUCH.
CAUTION
The conveyance fixing unit is heavy. Use care and draw it out gently; otherwise you may be injured.
CAUTION
DO NOT put your hand between the main body and developing fixing unit; otherwise you may be injured.

Safety Information

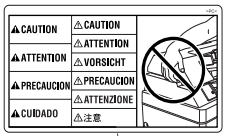
Machine Labels (continued)

Label Locations (continued)

(Finisher with PI-110 Cover Sheet Feeder only)

⚠ CAUTION

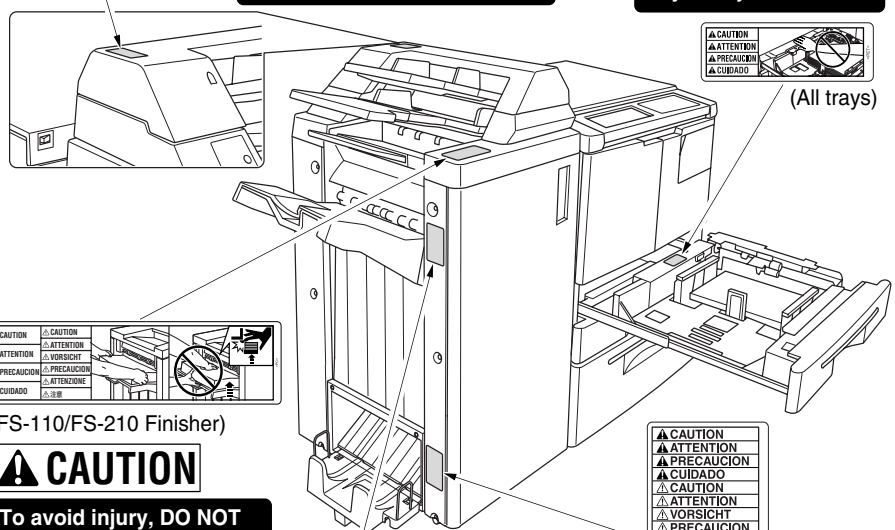
DO NOT insert your finger into the bottom of the upper part of the feeder when returning to its original position; otherwise you may be injured.



⚠ CAUTION

DO NOT put your hand between the main body and tray; otherwise you may be injured.

(All trays)



(FS-110/FS-210 Finisher)

⚠ CAUTION

To avoid injury, DO NOT put your hand on top of the printed sheets. Be sure to hold both sides of the printed sheets when removing them, and DO NOT leave your hand on the printed sheets while the primary (main) tray goes up.

(FS-210 Finisher only)

⚠ CAUTION

Inside the lower paper exit outlet is the roller drive unit. DO NOT put your hand into it; otherwise you may be injured.

(FS-210 Finisher)

⚠ CAUTION

Use care after opening the paper exit outlet. DO NOT put your hand into it; otherwise you may be injured.

Safety Information

Regulations

FCC Regulations

Warning: The Konica Force 65 generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instruction manual, interference with radio communications may result. This equipment has been tested and found to comply with the limits for a Class A computing device, pursuant to Subpart B, Part 15, of FCC rules, which are designed to provide reasonable protection against interference from such equipment when it is operating in a commercial environment.

Users operating this equipment in a residential area are likely to cause interference, in which case they may be required to correct the interference at their own expense.

Canadian Department of Communications Regulations

Le présent appareil n'émet pas de bruits radioélectriques dépassant les limites applicables aux de Classe A prescrites dans le règlement sur la brouillage radioélectrique édicté par Le Ministère des Communications du Canada.

This equipment does not exceed the Class A limits for radio noise emissions as set out in the radio interference regulations of the Canadian ICES-003.

FDA Regulations

This Printer is certified as a "Class 1" laser product under the U.S. Department of Health and Human Service (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. Since radiation emitted inside this printer is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.

Safety Information

Machine Installation and Power Requirements

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN BODILY INJURY AND/OR MACHINE DAMAGE.

❒ FIRE PREVENTION

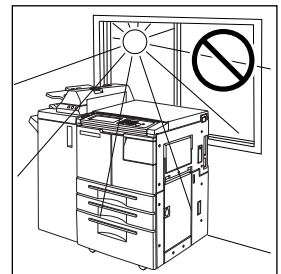
Install machine away from flammable or volatile materials. Routinely check for abnormal heat from power cord and/or plug.

❒ SHORT CIRCUIT FROM WATER DAMAGE

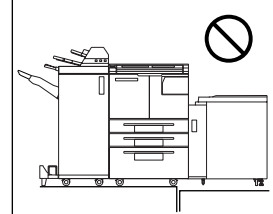
Do not install or operate this equipment outdoors near a lake, pond, or river, etc.; and do not allow the machine to come in contact with splashes of rain, water, or any liquid.

❒ TEMPERATURE AND HUMIDITY

Install the machine away from direct sunlight, heat sources (stoves, heaters) and cold temperatures (air conditioners). Avoid any environment that is outside 50°~86°F (10°~30°C), with 10~80% humidity.



Temperature



Vibration

❒ VENTILATION

Do not allow the machine to come in contact with dust or ammonia gas, or fumes from printing or cleaning solutions, etc.; otherwise, image quality will be poor. Install the machine in a well-ventilated area, for comfort; otherwise, an ozone odor will be detected during large print runs. When in use, the printer generates ozone in amounts too small to be hazardous to the human body.

❒ VIBRATIONS

If the machine is constantly vibrated or jolted, trouble may occur. Install the machine on a level, horizontal floor, free from vibrations.

❒ SPACE ALLOTMENT

Install machine in an area with adequate space for performing printer operations, replacing supply items, and conducting preventive maintenance. See Site Requirements, Section 3.

❒ MACHINE RELOCATION/TRANSPORTATION

Be sure to contact your service representative when moving or transporting the machine. If you move the machine with the Memory unit installed, machine trouble may be caused by vibration.

Safety Information

Machine Installation and Power Requirements (continued)

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN MACHINE DAMAGE, OVERHEATING, RISK OF ELECTRICAL SHOCK, AND/OR PERSONAL INJURY.

❒ PLUG SOCKET

A plug socket is limited in capacity. Use an exclusive power source for this machine; otherwise, overheating and/or smoking may occur. The total power consumption of the main body, plus all peripherals, must not exceed the capacity of the main power supply. Be sure the socket-outlet is near the equipment and is easily accessible.

❒ PLUG AND CORD (LEAD)

Unless the power plug is firmly inserted into the socket, overheating and/or smoking may occur. Firmly insert the power cord plug into the electrical outlet before turning on the printer power switch. If the inserted plug is loose in the socket, disconnect it, and consult an electrician for repair; do not attempt to operate the machine.
Be sure the socket-outlet is near the equipment and is easily accessible.

A damaged power cord may result in overheating, short circuit or fire. Do not bend, crush, wind, kick, or strike the cord with any item. Do not roll up the cord. If the main body power cord is bent or damaged, immediately contact your service representative; do not attempt to repair it yourself; do not continue to operate the machine.

❒ ADAPTERS AND PLURAL LOADS

Never use adapters and never connect plural loads or a branched socket to one socket outlet; otherwise, overheating or fire may occur.

❒ EXTENSION CORDS (LEADS)

An extension cord or lead is limited in capacity. Unless the cord or lead has adequate capacity, smoking and overheating may occur. Should smoking and/or overheating occur, contact an electrician immediately. If you require further information about power requirements, power consumption, extension cords, adapters and connectors, please contact your service representative, and consult your electrician.

Safety Information

Machine Handling and Care

⚠ WARNING:

FAILURE TO HEED THE FOLLOWING WARNING MAY RESULT IN DEATH OR SERIOUS INJURY AND/OR MACHINE DAMAGE.

❒ MACHINE CONTACT

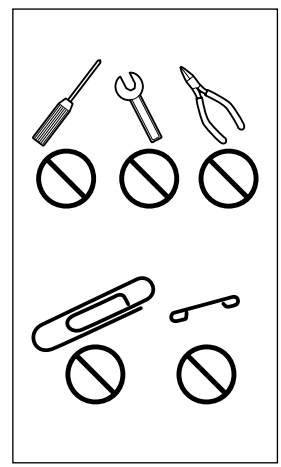
Never touch internal high voltage areas, indicated with a WARNING label.
Never touch the drum surface.
Never put your hand into the developing unit when removing mishandled paper.

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN MACHINE DAMAGE, OVERHEATING, AND/OR PERSONAL INJURY.

❒ MACHINE CONTACT

Never touch internal high temperature or magnetism areas, indicated with a CAUTION label.
Never insert your hand into the fixing unit when removing mishandled paper.
Never touch the inside of the main body for any purpose except removing mishandled paper or adding toner.
Use care when pulling out the conveyance fixing unit.



❒ MACHINE CARE

Do not drop paper clips, staples or other small metallic objects into the printer, or spill water or any other liquid into the machine.

Do not use the machine surface to support vases, books, etc. These items will interfere with the work space and may cause damage to the machine.

❒ ABNORMAL CONDITIONS

If any abnormal sound, odor, or smoke generates from the machine, immediately stop using the printer, turn off the main power switch, disconnect the plug and contact your service representative.

If a circuit breaker is tripped, or if a fuse blows, stop using the machine and contact an electrician. If more detailed information is needed regarding the power source or power consumption of this machine, contact your service representative.

❒ MACHINE MODIFICATION

Do not modify the machine in any way or remove any part or screw. Never attempt to perform any maintenance function that is not specifically described in this manual. Do not connect the machine with any options other than those specified.

Safety Information

Routine Safety

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN MACHINE DAMAGE, OVERHEATING, AND/OR PERSONAL INJURY.

❒ PERIODIC CHECK

Check for loose connections or excessive heat on power plug, damage to power cord and/or plug (creased, frayed, scratched or cut, etc.). Be sure the plug is inserted fully, and ground wire is connected correctly. If any abnormality occurs, do not continue to operate the machine.

❒ SERVICE MESSAGES

If a service message displays, turn the machine off, disconnect the power cord from the outlet, and report the condition to your service representative.

❒ TONER

Check to be sure toner in storage is out of the reach of children, or anyone incapable of using supplies safely. Although toner is nontoxic, do not inhale toner or allow it to come in contact with eyes. If inhalation or eye contact occurs, immediately consult a physician. Please refer to the appropriate material safety data sheet for additional toner safety information.

❒ PAPER

Check paper to be sure it is according to the specifications outlined in Section 4.

- Do not use stapled paper or paper that conducts electricity (silver, carbon, etc.), otherwise an accident may occur as a result of fire.
- To avoid machine trouble, do not use heat-sensitive paper, paper that conducts electricity (silver, carbon, etc.), or colored OHP film.

❒ CLEANING MATERIALS

Check the type of cleaning material used on your machine to be sure it is recommended by Konica. If necessary, check with your service representative. Never use cleaning materials for purposes other than cleaning, and be sure to keep all cleaning materials out of the reach of children or anyone who is incapable of using them safely.

❒ POWER SAVER

Use Power Saver mode for short periods of machine inactivity. When not using the machine for long periods of time, turn power off, unless the weekly timer function is operating.

❒ DISPOSAL OF THE PRINTER AND ACCESSORIES

Dispose of this printer and accessories according to your local regulations.

Safety Information

Finisher Capacity Requirements

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN BODILY INJURY AND/OR MACHINE DAMAGE.

❒ **FINISHER PAPER CAPACITY**

To prevent paper misfeed, do not exceed the paper capacity of the Finisher.
FS-110/FS-210 Finisher paper weight: 16 lb ~ 24 lb

When the selected print quantity exceeds the maximum paper capacity, remove the printed sheets from the finisher while the paper is exiting.

Paper capacities below are stated for 20 lb bond unless otherwise indicated.
This Finisher also accepts wide types of the regular sizes stated below.

Finisher FS-110/FS-210

Primary (Main) tray: Non-sort/Sort/Group mode
500 sheets (5.5"x8.5"R)
3,000 sheets (8.5"x11", 8.5"x11"R)(FS-110)
2,500 sheets (8.5"x11", 8.5"x11"R)(FS-210)
1,500 sheets (11"x17", 8.5"x14")

The Secondary (sub) tray can be unloaded while the Force 65 is running. Set production is not limited by the capacity of the Secondary (sub) tray.

Primary (Main) tray: Punch mode (machine with PK-110/120 only)
3,000 sheets (8.5"x11")
1,500 sheets (11"x17")

The Secondary (sub) tray can be unloaded while the Force 65 is running. Set production is not limited by the capacity of the Secondary (sub) tray.

Primary (Main) tray: Staple-Sort / Staple-Sort + Z-Folding mode

1,000 sheets* (11"x17" ~ 8.5"x11"/R)

* The maximum capacity varies according to the number of prints to be stapled. See p. 4-5.
When using Z-Folding mode with Staple-Sort mode, the maximum capacity varies according to the number of Z-folded sheet in one stapled set. See p. 4-8.

Secondary (Sub) tray: Non-sort mode
200 sheets max.

Safety Information

Finisher Capacity Requirements (continued)

⚠ CAUTION:

FAILURE TO HEED THE FOLLOWING CAUTIONS MAY RESULT IN BODILY INJURY AND/OR MACHINE DAMAGE.

❒ **FINISHER PAPER CAPACITY (continued)**

Booklet tray (FS-210 only)
100 sheets max. (11"x17", 8.5"x14")
75 sheets max. (8.5"x11"R, A4R)
50 sheets max. in Three-Folding mode
(The maximum number of sheets varies, depending on the number of pages in the booklet and whether Folding or Stapling & Folding is selected. See p. 4-7.)

❒ **FS-210 FINISHER BOOKLET MODE OUTLET**

Inside the Booklet mode outlet is the roller drive unit. DO NOT put your hand into it when removing the folded or stapled & folded sheet; otherwise you may be injured.

❒ **FS-110/FS-210 FINISHER PAPER EXIT OUTLET**

To avoid injury when stapling large size prints, DO NOT put your hand into the open Paper exit outlet.

❒ **FS-110/FS-210 FINISHER PRIMARY (MAIN) TRAY**

When printed materials are removed from the primary (main) tray of FS-110/FS-210 Finisher, the tray goes up automatically. To avoid injury, DO NOT put your hand on top of the printed sheets. Be sure to hold both sides of the printed sheets when removing them, and DO NOT leave your hand on the printed sheets while the primary tray goes up.

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Section 3: Machine Information

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Machine Information

Konica Force 65 Overview

The Force 65 Network Printing System provides high quality printing suitable for any IBM-compatible or Macintosh environment. The printer's main body engine works in conjunction with the new open architecture (NOA) of the print controller to provide a flexible and modular way of customizing the language interpreter, the I/O and communication, and the system control. NOA supports a modular based object oriented system software that enables you to use special software modules developed for enhancing printing capabilities and/or for adjusting the IP system to meet special requirements.

The built-in electronic recirculating document handler (ERDH) provides dual access capability, enabling the printer to receive a job while another job is printing or rasterizing. This timesaving system allows you to work with optimal efficiency even when the printer is working at peak capacity.

The advanced finishing system of the Force 65 provides you with the option of sending print jobs to the output tray face down and in correct order.

The Force 65 printer is perfect for any work environment.

- use it as a non-network printer by connecting it to your PC with standard serial or parallel port cabling.
- install the optional network interface card and use it as a standard network printer supporting NetWare, AppleTalk (EtherTalk) or TCP/IP.
- install the Force 65 as a high-end network printer in an AS 400/IBM Host Environment.

Highlights of the Force 65 include:

- 65 ppm
- 600 dpi
- duplex mode
- 3 standard paper trays plus a Multi-sheet bypass tray
- LCT, Finisher and Punching/Z-Folding Unit

Machine Information

Konica Force 65 Overview (continued)

Key Operator Functions

Access to the Key Operator mode may require entry of a key operator password previously set by your service representative. A Key Operator may make various custom settings that affect printer functions. We recommend using a password to limit access to the Key Operator mode to an authorized person.

Service, Repairs & Supplies

Service and repairs should be performed only by an authorized service representative. To maintain personal safety and to avoid machine damage, never disassemble the machine for any reason. To ensure optimal printing quality, use only supplies that are recommended by Konica Business Technologies, Inc. Use the convenient form located at the end of the *Maintenance & Supplies* section to record all service, repair, and supply orders.

Machine Labels

Machine labels are affixed to provide quick and easy instructions on loading paper, adding toner, and clearing mishandled paper. Machine safety labels, affixed to key areas of the internal machine, provide cautionary information to prevent personal injury or damage to the equipment. Sample machine safety labels are shown in the *Safety Information* section.

Machine Information

Konica Force 65 Overview (continued)

Service Settings

Setting changes for the following functions can be made by your service representative.

Finisher-Paper Capacity
In the default condition, the Force 65 will produce unlimited sets. If required, your service representative can set the printer to stop printing when the number of prints exceeds specified capacity.

Key Operator Password
Your service representative can set a 4-digit Key operator password to access the Key Operator Mode Screen.

After this setting is made, a Password Entry Screen will be displayed when Key Operator mode is selected from the Help Screen. The user or Key Operator will be required to enter the valid Key Operator password before accessing the Key Operator Mode Screen. It is recommended that the Key Operator password be noted and kept in a secure place in the event it is forgotten. Otherwise, you will be required to contact your service representative to obtain a password.

Weekly Timer
Your service representative can set a 4-digit Weekly timer **master key code** to enable the key operator to gain access to the Weekly Timer Setting Menu Screen.

After this setting is made, the Weekly Timer Master Key Code Screen will be displayed and will always require entry of the set Weekly timer master key code to access the Weekly Timer Setting Menu Screen.

Your service representative can set the weekly timer system to display the Weekly timer key on the Help Screen which enables you to view Weekly timer settings.

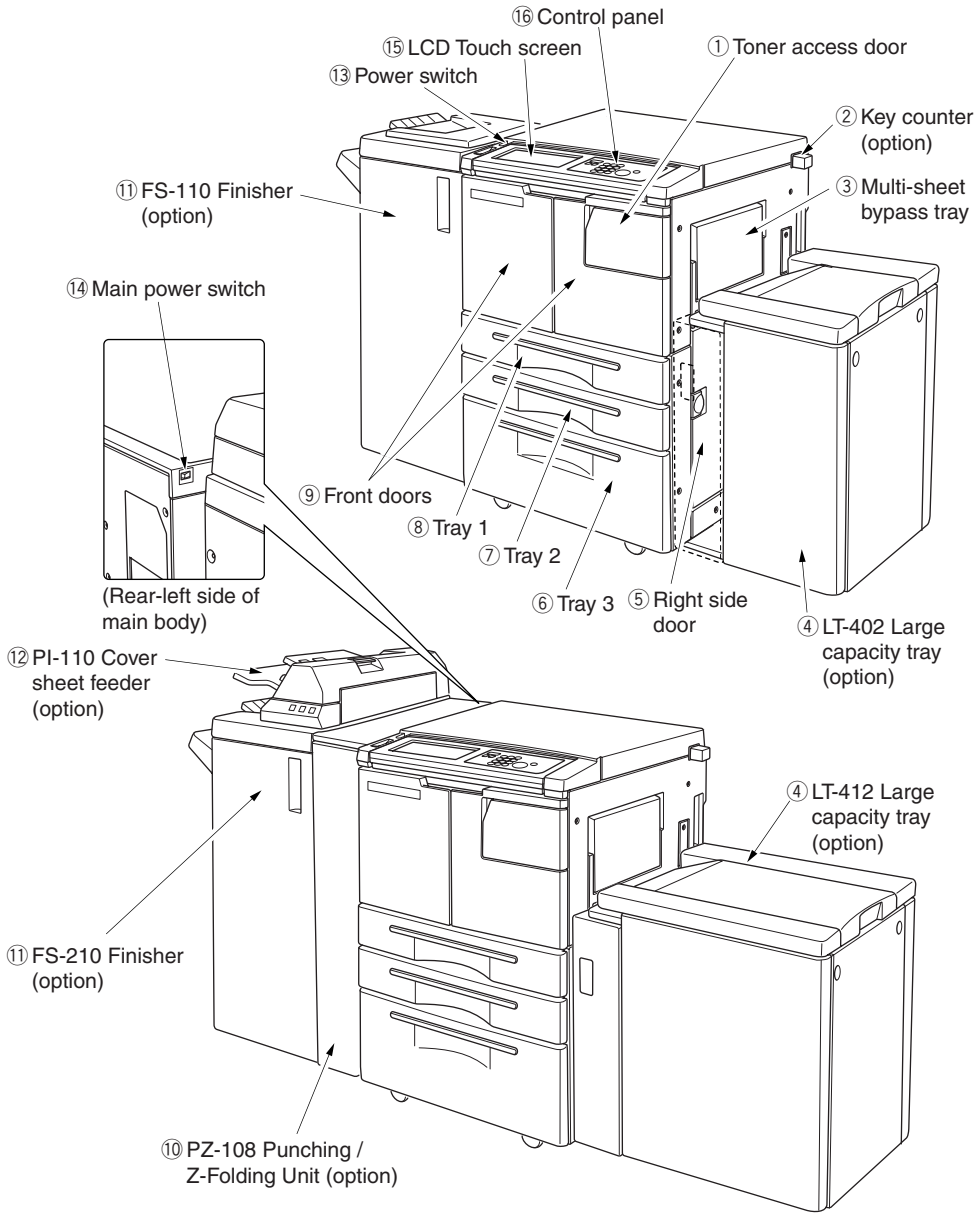
Staple Sheet Capacity
Staple capacity is changeable, and may be set to 45, 40, or 35 by your service representative.

Notice Message for ADD TONER/ PM CALL
Your service representative can set the printer message area to display “ADD TONER” when the toner supply is low, or “PM CALL” when preventive maintenance is required.

Machine Information

Machine Configuration

External Machine


⑯ Control panel
⑮ LCD Touch screen
⑬ Power switch
① Toner access door
② Key counter (option)
③ Multi-sheet bypass tray
⑪ FS-110 Finisher (option)
⑭ Main power switch
(Rear-left side of main body)
⑨ Front doors
⑧ Tray 1
⑦ Tray 2
⑥ Tray 3
⑤ Right side door
④ LT-402 Large capacity tray (option)
⑫ PI-110 Cover sheet feeder (option)
④ LT-412 Large capacity tray (option)
⑪ FS-210 Finisher (option)
⑩ PZ-108 Punching / Z-Folding Unit (option)

Machine Information

Machine Configuration (continued)

External Machine Call-outs

1 **Toner access door** opens to replenish the toner.
2 **Key counter** (option) manages the number of prints made on the machine.
3 **Multi-sheet bypass tray** used for small quantity printing onto plain paper or special paper.
4 **LCT: Large capacity tray LT-402/LT-412** option holds 4,000 sheets.
5 **Right side door** opens to allow removal of mishandled paper.
6 **Tray 3** (universal tray) is user-adjustable and holds 1,500 sheets of either 11"x17"/8.5"x14"/8.5"x11"R or 5.5"x8.5".
7 **Tray 2** (universal tray) is user-adjustable and holds 500 sheets of either 11"x17"/8.5"x14"/8.5"x11"R or 5.5"x8.5".
8 **Tray 1** (universal tray) is user-adjustable and holds 500 sheets of either 11"x17"/8.5"x14"/8.5"x11"R or 5.5"x8.5".

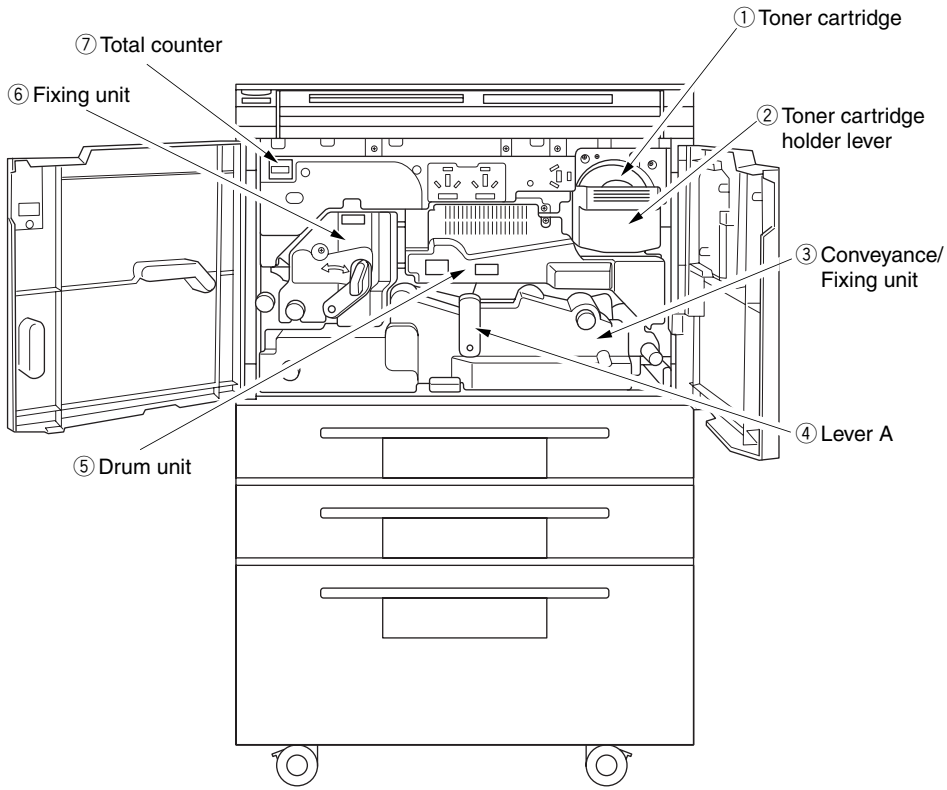
NOTE: Tray 1, 2, 3, and LCT are available for loading wide types of the regular sizes specified above.

9 **Front door** opens to the internal printer to allow clearing of mishandled paper.
10 **PZ-108 Punching / Z-Folding unit** (option) punches file holes and/or Z-folds the output prints.
11 **FS-110/210 Finisher** (option) sorts, staple-sorts, and groups into finished sets. With PK-110/120 Punching kit (option) installed, file holes can be punched in the output prints. FS-210 folds or staples & folds prints into booklet-styled sets, and also folds max. 3 prints in three.
12 **PI-110 Cover sheet feeder** (option) loads cover sheet paper and feeds the sheet as cover.
13 **Power switch** turns printer power On/Off when pressed.
14 **Main power switch**
15 **LCD touch screen** displays interactive operation screens.
16 **Control panel** controls printer operations.

Machine Information

Machine Configuration (continued)

Internal Machine



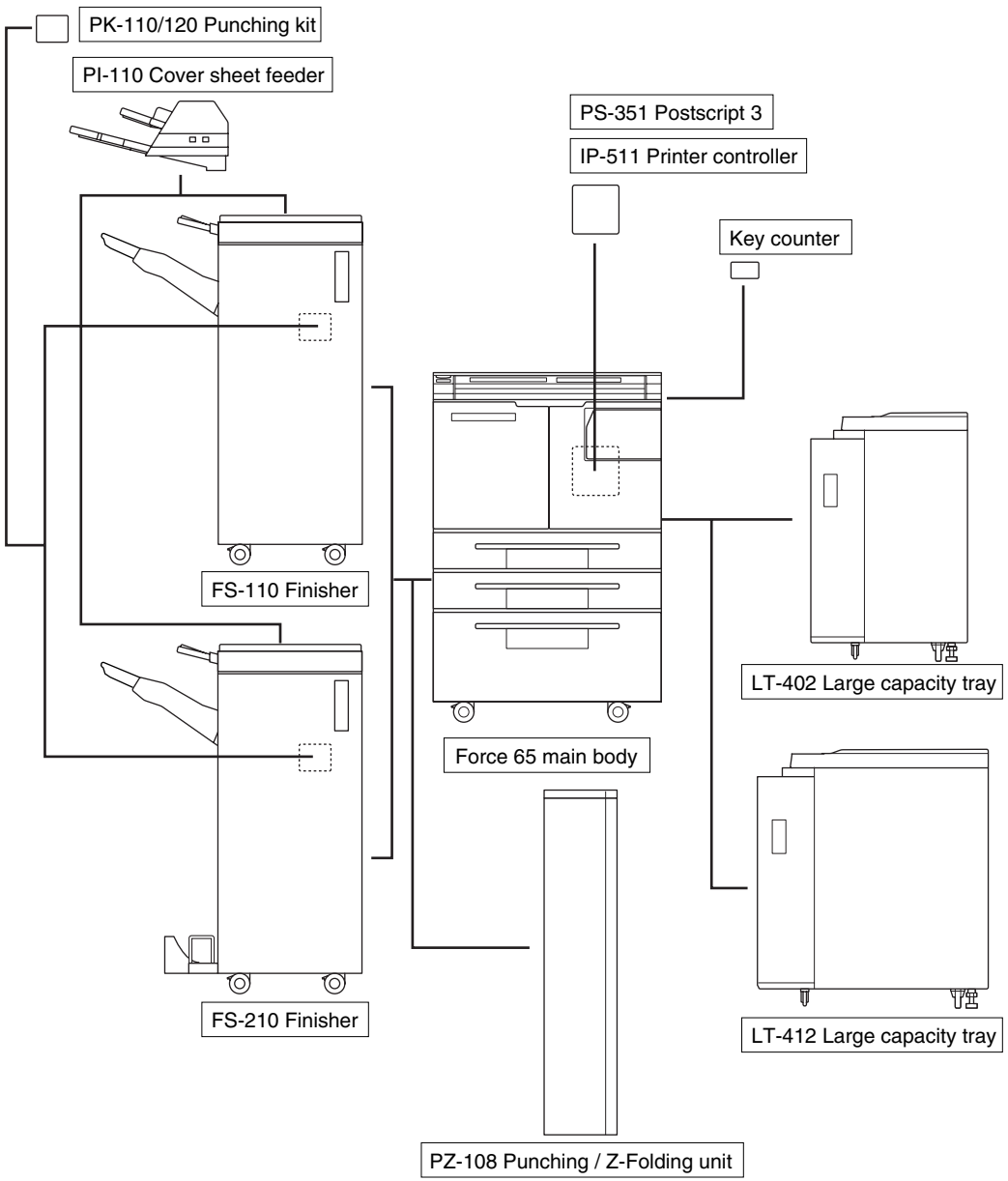
Internal Machine Call-outs

1 **Toner cartridge** holds toner and is replaced when replenishing toner.
2 **Toner cartridge holder lever** can be pulled forward to withdraw the toner cartridge holder for replacing the toner cartridge.
3 **Conveyance/Fixing unit** passes the paper through the drum unit, and fuses the toner onto the print paper, and is to be withdrawn for removal of mishandled paper.
4 **Lever A** can be moved to withdraw the conveyance fixing unit for removal of mishandled paper.
5 **Drum unit** forms the print image.
6 **Fixing unit** fuses the toner onto the print paper.
7 **Total counter** indicates the total number of prints made.

Machine Information

Machine Configuration (continued)

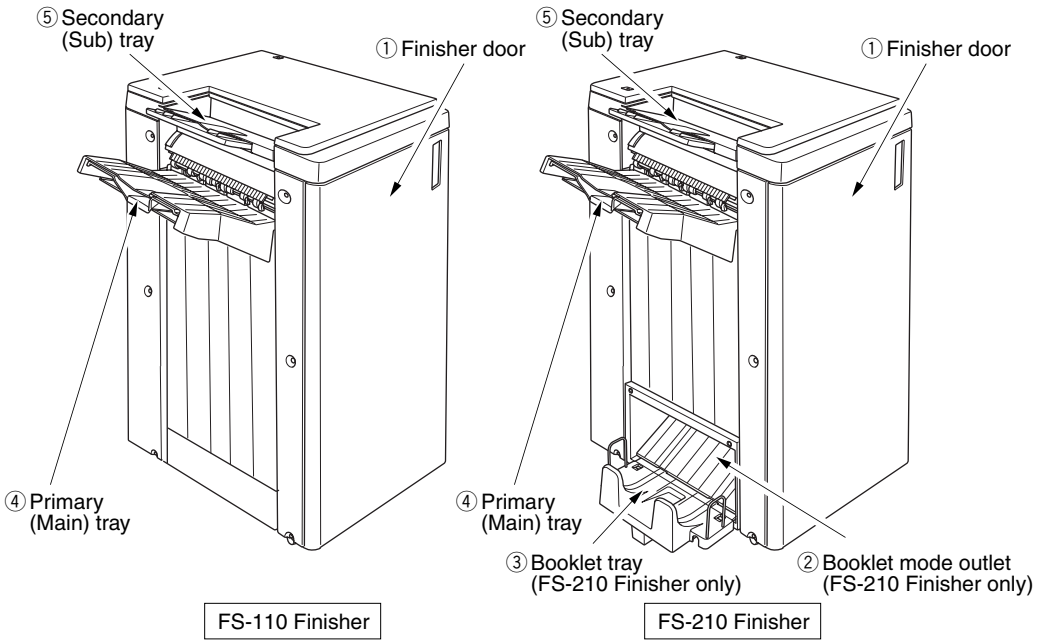
Optional Equipment



Machine Information

Machine Configuration (continued)

Optional Equipment (continued)

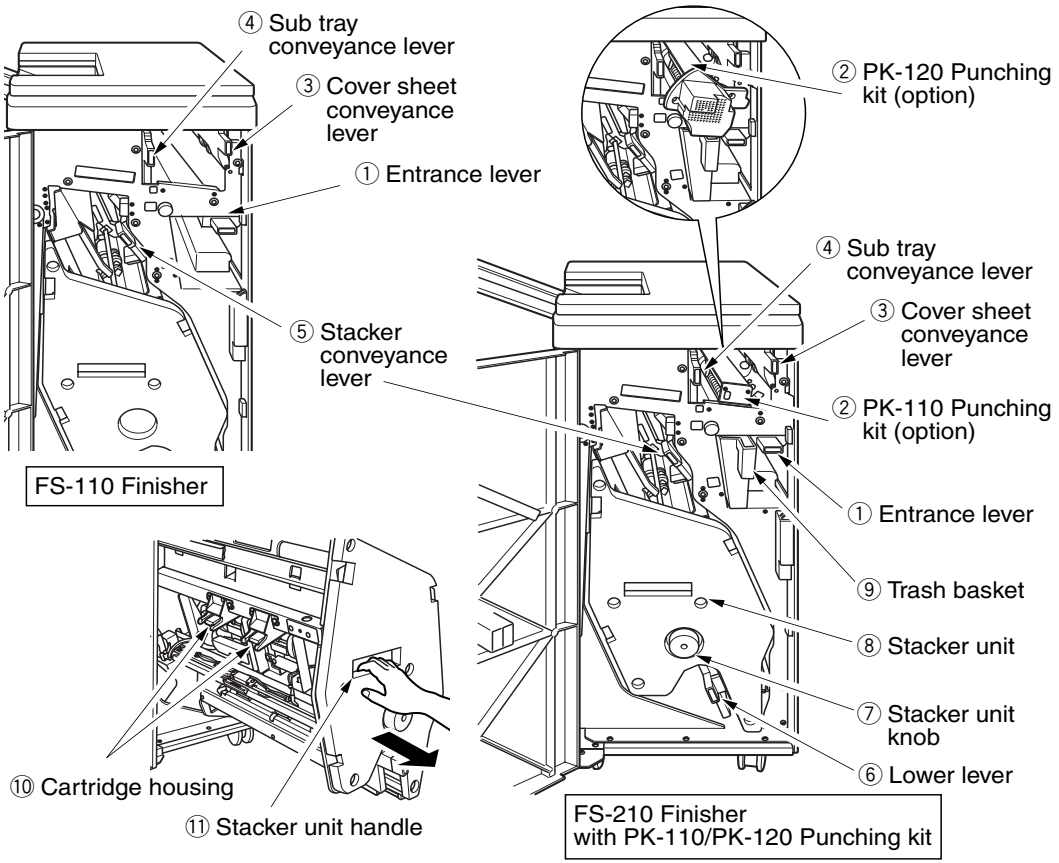


1. **Finisher door** opens to the internal Finisher to allow clearing mishandled paper, replenishing staples, and emptying trash basket of Punching kit.
2. **Booklet mode outlet** (FS-210 Finisher only) ejects finished printed sets when selecting Folding mode, Stapling & Folding mode, or Three-folding mode.
3. **Booklet tray** (FS-210 Finisher only) holds sets ejected in Folding mode, Stapling & Folding mode, or Three-folding mode.
4. **Primary (Main) tray** holds sets ejected in Non-sort mode, Sort mode (offset), Staple-sort mode, Group mode (offset), or Z-Folding mode.
5. **Secondary (Sub) tray** holds sets ejected in Non-sort mode or Group mode with face down/up mode.

Machine Information

Machine Configuration (continued)

Optional Equipment (continued)

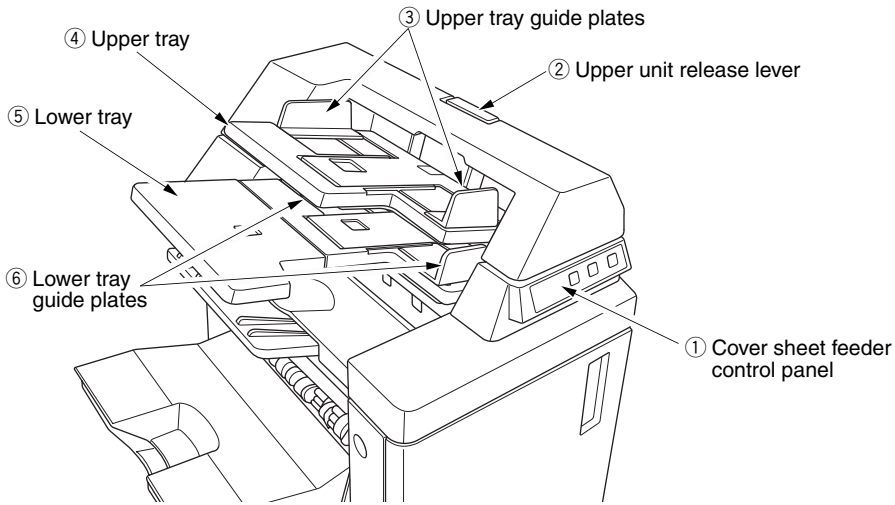

④ Sub tray conveyance lever
③ Cover sheet conveyance lever
① Entrance lever
⑤ Stacker conveyance lever
FS-110 Finisher
⑩ Cartridge housing
⑪ Stacker unit handle
② PK-120 Punching kit (option)
④ Sub tray conveyance lever
③ Cover sheet conveyance lever
② PK-110 Punching kit (option)
① Entrance lever
⑨ Trash basket
⑧ Stacker unit
⑦ Stacker unit knob
⑥ Lower lever
FS-210 Finisher with PK-110/PK-120 Punching kit

1 **Entrance lever** opens downward to remove mishandled paper.
2 **PK-110/120 Punching kit** (option) punches file holes in the output prints.
3 **Cover sheet conveyance lever** opens to remove mishandled paper.
4 **Sub tray conveyance lever** opens to remove mishandled paper.
5 **Stacker conveyance lever** opens to remove mishandled paper.
6 **Lower lever** opens to remove mishandled paper.
7 **Stacker unit knob** can be turned to ease removal of mishandled paper from the Stacker unit.
8 **Stacker unit** folds or staples & folds prints into booklet-styled sets, and also folds max. 3 prints in three.
9 **Trash basket** holds waste paper punched out.
10 **Cartridge housing** holds staple cartridge and is to be replaced when supplying staples.
11 **Stacker unit handle** withdraws unit to allow removal of mishandled paper and replacement of staple cartridge.

Machine Information

Machine Configuration (continued)

Optional Equipment (continued)

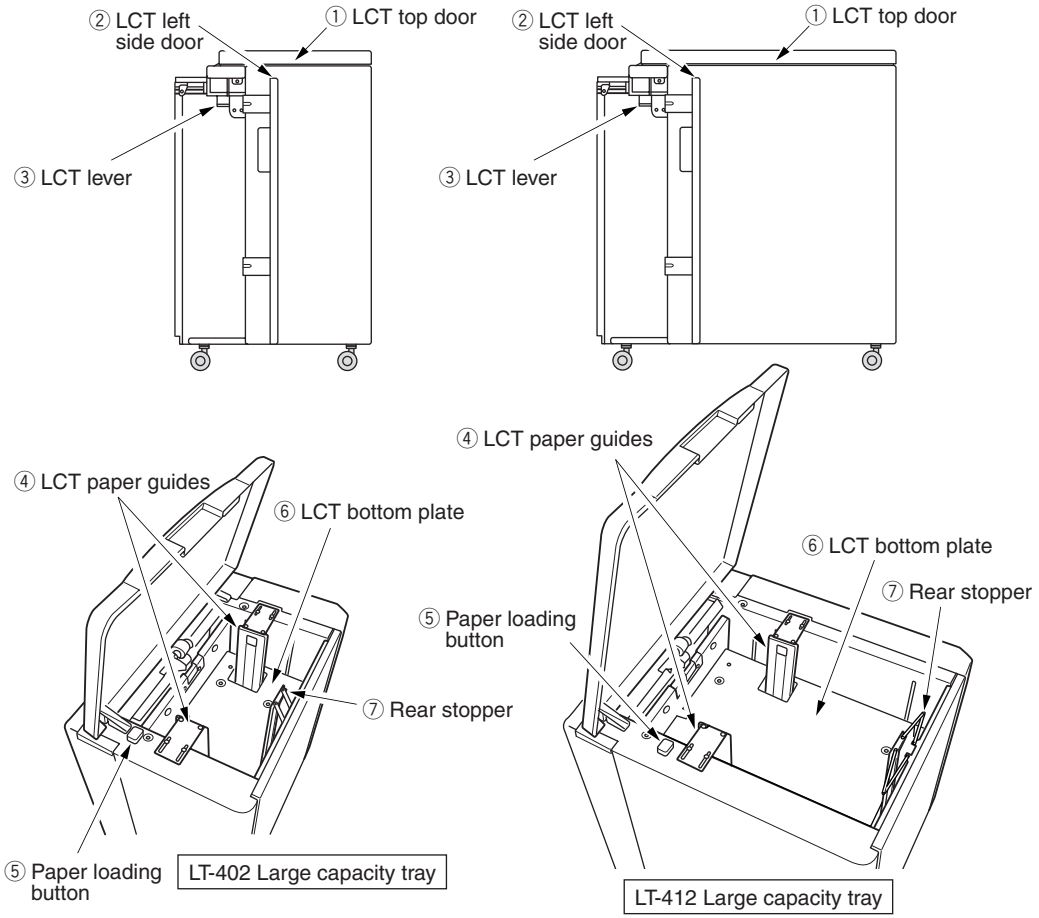

③ Upper tray guide plates
④ Upper tray
② Upper unit release lever
⑤ Lower tray
⑥ Lower tray guide plates
① Cover sheet feeder control panel

1 **Cover sheet feeder control panel** controls cover sheet feeder operations.
2 **Upper unit release lever** can be moved to slide the upper unit of cover sheet feeder for removal of mishandled paper.
3 **Upper tray guide plates** hold cover sheets to fix the position.
4 **Upper tray** holds cover sheets for use in cover sheet output mode.
5 **Lower tray** holds cover sheets for use in cover sheet output mode or a printed set in manual stapling/punching/three-folding mode.
6 **Lower tray guide plates** hold cover sheets to fix the position.

Machine Information

Machine Configuration (continued)

Optional Equipment (continued)

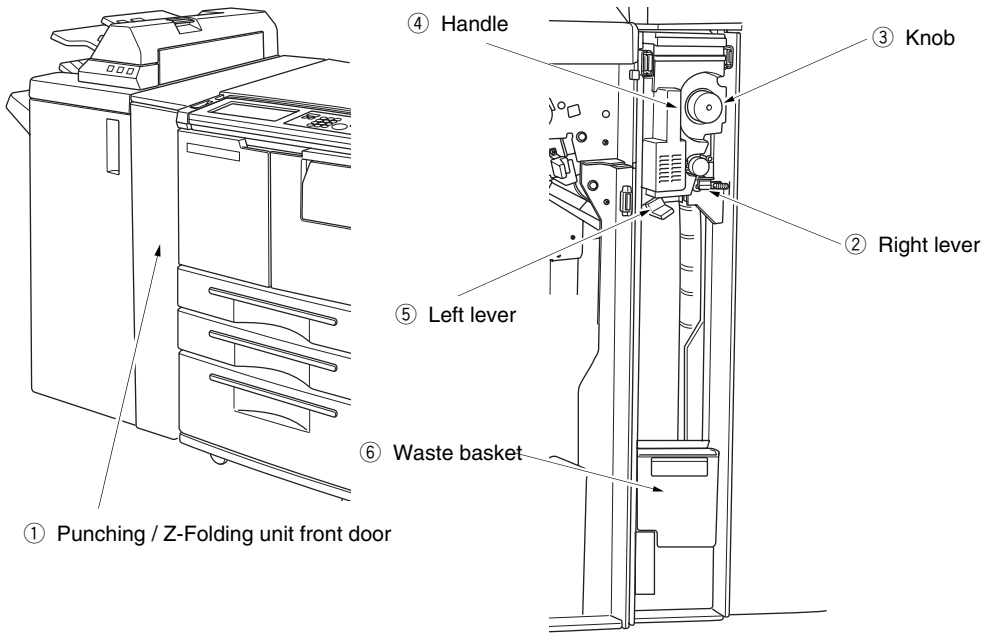


1 **LCT top door** opens to allow paper loading.
2 **LCT left side door** opens to allow removal of mishandled paper.
3 **LCT lever** can be moved downward to ease removal of mishandled paper.
4 **LCT paper guides** hold print paper to fix the position.
5 **Paper loading button** is pressed to lower the bottom plate to allow loading paper.
6 **LCT bottom plate** goes up automatically when paper supply becomes low, and goes down when the paper loading button is pressed.
7 **Rear stopper** fixes the rear end of print paper.

Machine Information

Machine Configuration (continued)

Optional Equipment (continued)

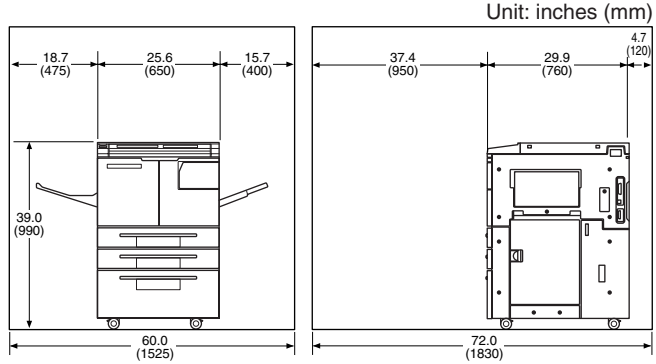


1 **Punching / Z-Folding unit front door** opens to allow removal of mishandled paper or waste paper.
2 **Right lever** opens to allow removal of mishandled paper.
3 **Knob** can be turned to ease removal of mishandled paper.
4 **Handle** can be withdrawn to allow removal of mishandled paper.
5 **Left lever** opens to allow removal of mishandled paper.
6 **Trash basket** holds waste paper punched out.

Machine Information

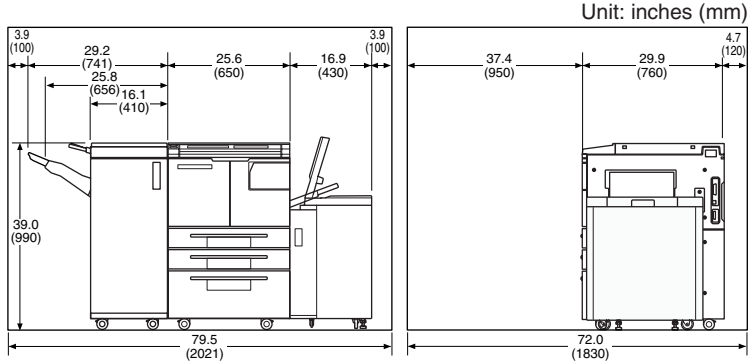
Site Requirements

Unit: inches (mm)



Force 65

Unit: inches (mm)

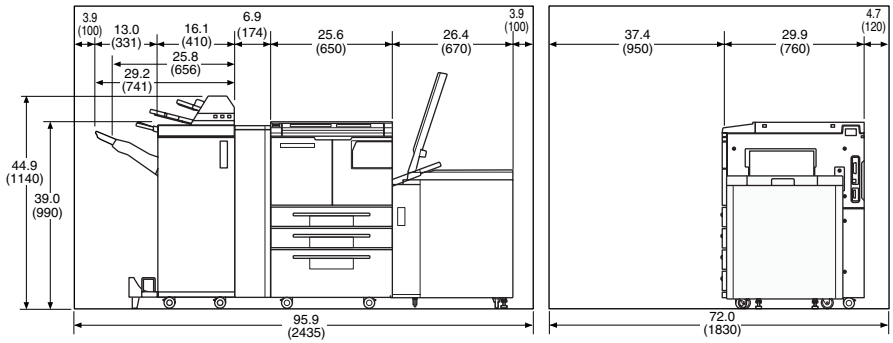


Force 65 + FS-110 Finisher + LT-402 Large capacity tray

Machine Information

Site Requirements (continued)

Unit: inches (mm)

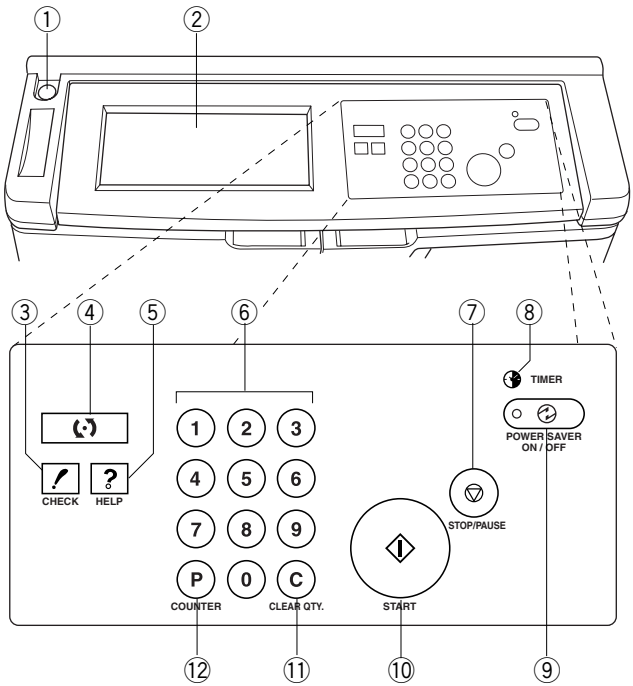


Force 65 + FS-210 Finisher + PZ-108 Punching / Z-Folding unit
+ PI-110 Cover sheet feeder + LT-412 Large capacity tray

NOTES:
1 Dimensions are in inches with millimeters included in parentheses.
2 The Finisher main tray of the FS-110/210 Finisher gradually goes down while printed material is output. DO NOT allow any object to interfere with the operation of the tray on the left side of the Finisher, as interference may cause damage to the Finisher.

Machine Information

Control Panel Layout



1 **Power switch** turns printer power On/Off when pressed.
2 **LCD touch screen** displays machine and printing status, help information, interactive screens, and touch keys for selecting all functions.
3 **CHECK** displays a screen showing all settings that are selected for the current job.
4 **MODE** switches the machine operation mode.
5 **HELP** displays a screen with help for the currently selected function, or to access the Key Operator Mode Screen.
6 **Keypad** enters numeric values.
7 **STOP/PAUSE** stops the printing sequence; deletes the stored memory.
8 **TIMER** lights when the timer function is set.
9 **POWER SAVER ON/OFF** activates power-saving mode for times when the printer is inactive, or activates timer interrupt mode when weekly timer function is active.
10 **START** restarts printing after mishandled paper is cleared or the paper tray is replenished with paper.
11 **CLEAR QTY.** allows resetting of print quantity.
12 **[P] (counter)** displays the Counter Screen or accesses programming modes for setting special functions.

Machine Information

Specifications

Product Name	Konica Force 65 Network Printing System
Engine Type	Dual Beam Laser, Electrostatic
Engine Speed	65 pages per minute
Recommended Operating Environment	50°~86°F (10°~30°C); 10~80% RH
Warm Up	Approx. 6 min. @68°(20°C); 50% RH
First Print Out Time	Approx. 3.4 sec. for 8.5"x11"
Voltage	120V ± 10%
Current	15A Dedicated line recommended
Frequency	60Hz
Grounding	Isolation recommended
Power Consumption	Max. 1,800 VA (full option)
Noise Level (full system)	Approx. 78 dB (A) or less, during printing
Toner	Black, cartridge type
Paper Source	Main body trays 1/2/3; 500/500/1,500 sheets LCT tray 4; 4,000 sheets Multi-sheet bypass tray; 100 sheets Tray 1/2/3 user adjustable LCT adjusted by your service representative
Paper Exit Tray	100 sheets (20 lb)
Paper Weight	16 lb~24 lb bond recommended (Max. range: 16 lb~110 lb (200 g/m^2 thick paper) in duplex mode, 13 lb~15 lb in simplex mode) OHP sheet, Transparency, Labels, Tab, 3-hole
Main Body Safety Standard	UL 60950; CSA 22.2 No. 60950
Radio Interference	FCC Rules part 15, sub-part B Class A ICES 003. issue 3 Class A
Laser Safety Standard	FDA: 21CFR Chapter 1. Subchapter J

Specifications Subject To Change Without Notice

Machine Information

Specifications (continued)

Options	Finisher (FS-110/FS-210) Cover Sheet Feeder (PI-110) Punching Kit (PK-110/120) Punching / Z-Folding Unit (PZ-108) Large Capacity Tray (LCT) (LT-402/LT-412) Image Processor (IP-511) PostScript Unit (PS-351)
Machine Weight	418.5 lb (190 kg) +121 lb (55 kg) w/FS-110 Finisher +143 lb (65 kg) w/FS-210 Finisher +23 lb (10.5 kg) w/PI-110 Cover sheet feeder +4.4 lb (2 kg) w/PK-110 Punching kit +6.6 lb (3 kg) w/PK-120 Punching kit +83.6 lb (38 kg) w/PZ-108 Punching / Z-Folding unit +66 lb (30 kg) w/LCT (LT-402) +93 lb (42 kg) w/LCT (LT-412)
Machine Dimensions	Main Body Width: 25.6 in. (650 mm) Depth: 29.9 in. (760 mm) Height: 39.1 in. (994 mm) Stapler-Finisher (FS-110/210) Width: 25.8 in. (656 mm) Depth: 25.8 in. (656 mm) Height: 39.0 in. (990 mm) Cover Sheet Feeder (PI-110) Width: 20.1 in. (511 mm) Depth: 24.4 in. (620 mm) Height: 8.7 in. (220 mm) Punching Kit (PK-110) Width: 2.7 in. (68 mm) Depth: 17.4 in. (442 mm) Height: 4.7 in. (120 mm) Punching Kit (PK-120) Width: 5.1 in. (130 mm) Depth: 18.5 in. (470 mm) Height: 4.5 in. (115 mm)

Specifications Subject To Change Without Notice

Machine Information

Specifications (continued)

	Punching / Z-Folding Unit (PZ-108) Width: 6.7 in. (169 mm) Depth: 26.0 in. (660 mm) Height: 36.6 in. (930 mm)
Automatic Duplex Unit (ADU)	Paper size: 11"x17", 8.5"x14", 8.5"x11", 5.5"x8.5" Paper weight: 16~110 lb (200 g/m^2 thick paper) Non-stack type
Stapling Finisher (FS-110/210)	Power source: Main body
	Non-sort/Sort/Group mode: 500 sheets 5.5"x8.5"R 3000 sheets 8.5"x11"/R (FS-110 Finisher) 2500 sheets 8.5"x11"/R (FS-210 Finisher) 1500 sheets 11"x17", 8.5"x14" Size 11"x17" ~ 5.5"x8.5"R
	Staple-sort mode: 1000 sheets* Size 11"x17" ~ 8.5"x11"/R, 5.5"x8.5" * Variable according to the number of pages to be stapled. See p. 4-5 for detail.
	Folding/Stapling & Folding mode (FS-210 only): 100 sheets (11"x17", 8.5"x14") 75 sheets (8.5"x11"R, A4R) Size 11"x17", 8.5"x14", 8.5"x11"R, A4R (8.27"x11.69", 210 mm x 297 mm) * The maximum number of sheets varies, depending on the number of pages in the booklet and whether Folding or Stapling & Folding is selected. See p. 4-6~p. 4-7.
	Three-Folding mode (FS-210 only): 50 sheets (folding one sheet in three) Size 8.5"x11"R, A4R (8.27"x11.69", 210 mm x 297 mm)
Staple Cartridge	5000 staples/cartridge

Specifications Subject To Change Without Notice

Machine Information

Specifications (continued)

Cover Sheet Feeder (PI-110)	Power source: Finisher Paper size: Upper tray 8.5"x11", 8.5"x11"R, 5.5"x8.5", A4, A4R (8.27"x11.69", 210 mm x 297 mm) Lower tray 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", A4, A4R (8.27"x11.69", 210 mm x 297 mm) Paper weight in cover sheet mode: 13 ~ 110 lb (200 g/m^2 thick paper) Paper weight: Manual stapling: 13 ~ 110 lb (200 g/m^2 thick paper) Manual punch: 13 ~ 45 lb Manual stapling & folding: 16 ~ 110 lb (200 g/m^2 thick paper) Manual three-folding: 20 lb
Punching Kit (PK-110/120)	Paper size: 11"x17", 8.5"x11" Paper weight: 16 ~ 45 lb Number of holes: 3 holes Hole diameter: 0.315" ± 0.020" (8 mm ± 0.5 mm) Hole pitch: 4.252" ± 0.020" (108 mm ± 0.5 mm) Weight: PK-110: 4.4 lb (2 kg) PK-120: 6.6 lb (3 kg) Power source: Finisher
Punching / Z-Folding Unit (PZ-108)	Paper size: (Punching) 11"x17", 8.5"x11" (Z-Folding) 11"x17", 8.5"x14" Paper weight: 16 ~ 45 lb (16 ~ 24 lb for Z-Folding mode) (Punching mode) Number of holes: 3 holes Hole diameter: 0.315" ± 0.020" (8 mm ± 0.5 mm) Hole pitch: 4.252" ± 0.020" (108 mm ± 0.5 mm) (Z-Folding mode) Folding type: Z-folding for 11"x17", double-folding for 8.5"x14" Folded width: 215 mm or less for 11"x17" 261.6 mm or less for 8.5"x14" Weight: 83.6 lb (38 kg) Power source: supply from outlet

Specifications Subject To Change Without Notice

Machine Information

Specifications (continued)

Large Capacity Tray (LT-402)	Paper type: Plain paper (13~110 lb (200 g/m^2 thick paper)) Paper size: 8.5"x11", A4 Dimensions: Width 16.9 in (430 mm) Depth 25.2 in (639 mm) Height 27.2 in (690 mm) Weight: 66 lb (30 kg) Power source: supply from main body
Large Capacity Tray (LT-412)	Paper type: Plain paper (13~110 lb (200 g/m^2 thick paper)) Paper size: 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, A3, B4, A4, A4R Dimensions: Width 26.4 in (670 mm) Depth 25.2 in (639 mm) Height 27.4 in (695 mm) Weight: 92.4 lb (42 kg) Power source: supply from main body

HOME

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Section 4: Media Information

Main Body Trays 4-2

LT-402 Large Capacity Tray (Option) 4-3

LT-412 Large Capacity Tray (Option) 4-3

Automatic Duplex Unit 4-4

Multi-Sheet Bypass Tray 4-4

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Media Information

Main Body Trays

Paper Size:
- STD size: 11"x17", F4, 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", A3, B4, A4, A4R, B5, B5R, A5 (user-adjustable)
- STD size (spec.): specify A4R instead of 8.5"x11"R
  specify A5 instead of 5.5"x8.5"
- Non STD size: input the measures of paper between max. 314 mm x 459 mm and min. 210 mm x 140 mm.
- Wide paper: 11"x17"W, 8.5"x11"W, 8.5"x11"WR, 5.5"x8.5"W, A3W, B4W, A4W, A4WR, B5W, A5W (user-adjustable)

NOTES:
- F4: 8"x13", 203 mm x 330 mm
  A3: 11.69"x16.54", 297 mm x 420 mm
  B4: 10.11"x14.33", 257 mm x 364 mm
  A4: 8.27"x11.69", 210 mm x 297 mm
  B5: 7.17"x10.11", 182 mm x 257 mm
  A5: 5.85"x8.27", 148 mm x 210 mm
- 5.5"x8.5"/A5 print paper is available in portrait orientation loading only.
- 8.5"x14"W print paper is not available.
- STD size (spec.)/Non STD size/Wide paper setting for each tray can be made in the Key Operator mode. See p. 9-18 ~ p. 9-19.

Paper Weight:
General tray: 16~24 lb
Tray specified in Thick : 25~110 lb (200 g/m^2 thick paper)
Tray specified in Thin: 13~15 lb (simplex mode only)
Tray specified in Tab paper: 25~45 lb (simplex mode only)

NOTE: Paper type setting for each tray can be made in the Key Operator mode. See p. 9-18 ~ p. 9-19.

Paper Capacity:
Tray 1/2: 500 sheets 20lb/ user-adjustable to any standard/wide size from 11"x17"/W~5.5"x8.5"/W
Tray 3: 1,500 sheets 20lb/ user-adjustable to any standard/wide size from 11"x17"/W~5.5"x8.5"/W
2,600 sheets, including 100-sheet Multi-Sheet Bypass Tray

NOTE: Reliability and print quality are not guaranteed for all special papers. Use only paper that is recommended by Konica.

Media Information

LT-402 Large Capacity Tray (Option)

Paper Size: 8.5"x11"

STD size:	8.5"x11", A4 (service-adjustable)
STD size (spec.):	cannot be specified
Non STD size:	input the measures of paper between max. 314 mm x 223 mm and min. 257 mm x 182 mm
Wide paper:	8.5"x11"W, A4W (service-adjustable)

NOTE: Non STD size setting for LCT can be made in the Key Operator mode. See p. 9-18 ~ p. 9-19

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Paper Weight: 16~24 lb

LCT specified in Thick :	25~110 lb (200 g/m^2 thick paper)
LCT specified in Thin:	13~15 lb (single-sided print mode only)
LCT specified in Tab paper:	25~45 lb (single-sided print mode only)

NOTE: Paper type setting for LCT can be made in the Key Operator mode. See p. 9-18 ~ p. 9-19.

Paper Capacity: 4,000 sheets 20 lb/ fixed to standard/wide size 8.5"x11"/W or A4/W
6,600 sheets, including three Main body trays and 100-sheet Multi-Sheet Bypass Tray

LT-412 Large Capacity Tray (Option)

Paper Size: 11"x17"

STD size:	11"x17", F4, 8.5"x14", 8.5"x11", 8.5"x11"R, A3, B4, A4, A4R (service-adjustable)
STD size (spec.):	cannot be specified
Non STD size:	input the measures of paper between max. 314 mm x 459 mm and min. 257 mm x 182 mm
Wide paper:	11"x17"W, F4W, 8.5"x14"W, 8.5"x11"W, 8.5"x11"WR, A3W, B4W, A4W, A4WR (service-adjustable)

Paper Weight: 16~24 lb

LCT specified in Thick:	25~110 lb (200 g/m^2 thick paper)
LCT specified in Thin:	13~15 lb (single-sided print mode only)
LCT specified in Tab paper:	25~45 lb (single-sided print mode only)

NOTE: Paper type setting for LCT can be made in the Key Operator mode. See p. 9-18~ p. 9-19.

Paper Capacity: 4,000 sheets 20 lb/ fixed to standard/wide size 11"x17"/W, F4/W, 8.5"x14"/W, 8.5"x11"/W, 8.5"x11"R/W, A3/W, B4/W, A4/W, or A4R/W
6,600 sheets, including three Main body trays and 100-sheet Multi-Sheet Bypass Tray

NOTE: Reliability and print quality are not guaranteed for all special papers. Use only paper that is recommended by Konica.

Media Information

Automatic Duplex Unit

Paper Size:	STD size:	11"x17"~5.5"x8.5"
	STD size (spec.):	11"x17"~A5
	Wide paper:	11"x17"W~A5W

NOTE: 5.5"x8.5"/W and A5/W print paper is available in portrait orientation feeding only.

Paper Weight: 16~110 lb (200 g/m^2 thick paper)

Multi-Sheet Bypass Tray

Paper Size:	STD size:	11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", 5.5"x8.5"R, A3, B4, A4, B5, B5R
	STD size (spec.):	F4, A4R, A5, A5R, B6R
	Non STD size:	input the measures of paper between max. 314 mm x 459 mm and min. 100 mm x 148 mm
	Wide paper:	11"x17"W, 8.5"x11"W, 8.5"x11"WR, 5.5"x8.5"W, 5.5"x8.5"WR, A3W, B4W, A4W, A4WR, B5W, B5WR, A5W, A5WR
Paper Weight:	General mode:	16~24 lb
	Thick mode:	25~110 lb (200 g/m^2 thick paper)
	Thin mode:	13~15 lb
	Tab paper mode:	25~45 lb
	OHP transparencies, labels, hole punch, and rag content can be loaded.	

Paper Capacity: 100 sheets 20 lb stacked: single feed special stock

NOTE: Reliability and print quality are not guaranteed for all special papers. Use only paper that is recommended by Konica.

Media Information

FS-110/210 Finisher (Option)

FS-110/210 In-Bin Stapler Finisher accepts LEDGER (11"x17"), LEGAL (8.5"x14") and LETTER/R (8.5"x11"/R) standard/wide paper sizes (5.5"x8.5"R/W in Non-sort, Sort or Group mode).

FS-110/210 Finisher Primary (Main) Tray

FS-110/210 Finisher (capacities at 20lb, unless otherwise indicated)

Non-sort/Sort/Group mode:

- 500 sheets 5.5"x8.5"/5.5"x8.5"W, 5.5"x8.5"R/5.5"x8.5"WR (A5/A5W, A5R/A5WR)
- 3,000 sheets 8.5"x11"/8.5"x11"W, 8.5"x11"R/8.5"x11"WR (A4/A4W, A4R/A4WR, B5/B5W, B5R/B5WR) (using FS-110 Finisher)
- 2,500 sheets 8.5"x11"/8.5"x11"W, 8.5"x11"R/8.5"x11"WR (A4/A4W, A4R/A4WR, B5/B5W, B5R/B5WR) (using FS-210 Finisher)
- 1,500 sheets 11"x17"/11"x17"W, 8.5"x14" (A3/A3W, B4/B4W)

Staple-sort mode:

- 1,000 sheets* 11"x17"/11"x17"W, 8.5"x14", 8.5"x11"/8.5"x11"W, 8.5"x11"R/8.5"x11"WR

*Variable according to the number of pages to be stapled. See the table below.

Paper Capacity for Staple-sort mode of FS-110/210 Finisher
(for the same size paper only)

	11"x17"/11"x17"W (A3/A3W)		8.5"x14", 8.5"x11"/8.5"x11"W, 8.5"x11"R/8.5"x11"WR (B4/B4R, A4/A4W, A4R/A4WR, B5/B5W, A5/A5W)	
No. of prints	2 staples	1 staples	2 staples	1 staples
2~9	50 sets	50 sets	100 sets	100 sets
10~20	50	50	50	50
21~30	30	30	30	30
31~40	25	25	25	25
41~50	20	20	20	20

Your service representative can set the printer to stop printing when the number of prints exceeds above capacity.
Contact your service representative for information.

Media Information

FS-110/210 Finisher (Option) (continued)

FS-110/210 Finisher Secondary (Sub) Tray

FS-110/210 Finisher (capacities at 20lb, unless otherwise indicated)

200 sheets; max. 12.36"x18.08" (314 mm x 459 mm) ~ min. 3.94"x5.83" (100 mm x 148 mm)

⚠ CAUTION:

When the finisher capacity is exceeded due to the print quantity selected, remove the printed sets while the paper is exiting; otherwise mishandled paper will occur.
To avoid this, ask your service representative to set the printer to stop printing when the established capacity is exceeded.

FS-210 Finisher Booklet Tray

Folding mode:

Standard Paper Size	:	11"x17", 8.5"x14", 8.5"x11"R, A3, B4, A4R
Wide Paper Size	:	11"x17"W, 8.5"x11"WR, A3W, B4W, A4WR
Paper Weight	:	16 ~ 110 lb (200 g/m^2 thick paper)
Number of Folded Sheets	:	3 sheets max.
Booklet Tray Capacity	:	Approx. 100 sheets max. (11"x17", 8.5"x14", A3, B4) 33 sets max. of 3-sheet-folded booklet (33 x 3 = 99 sheets) 50 sets max. of 2-sheet-folded booklet (50 x 2 = 100 sheets) Approx. 75 sheets max. (8.5"x11"R, A4R) 25 sets max. of 3-sheet-folded booklet (25 x 3 = 75 sheets) 37 sets max. of 2-sheet-folded booklet (37 x 2 = 74 sheets)

Stapling & Folding mode:

Standard Paper Size	:	11"x17", 8.5"x14", 8.5"x11"R, A3, B4, A4R
Wide Paper Size	:	11"x17"W, 8.5"x11"WR, A3W, B4W, A4WR
Paper Weight	:	16 ~ 110 lb (200 g/m^2 thick paper)
Number of Folded Sheets	:	20 sheets max. (using 20 lb paper only) 19 sheets max. (a thick cover paper included)

Media Information

FS-110/210 Finisher (Option) (continued)

FS-210 Finisher Booklet Tray (continued)

Booklet Tray Capacity : Approx. 100 sheets max. (11"x17", 8.5"x14", A3, B4)
20 sets max. of 5-sheet-folded booklet
(20 x 5 = 100 sheets)
10 sets max. of 10-sheet-folded booklet
(10 x 10 = 100 sheets)
5 sets max. of 20-sheet-folded booklet
(5 x 20 = 100 sheets)
Approx. 75 sheets max. (8.5"x11"R, A4R)
15 sets max. of 5-sheet-folded booklet
(15 x 5 = 75 sheets)
7 sets max. of 10-sheet-folded booklet
(7 x 10 = 70 sheets)
3 sets max. of 20-sheet-folded booklet
(3 x 20 = 60 sheets)

Three-folding mode:

Paper Size	:	8.5"x11", A4
Paper Weight	:	20 lb
Number of Folded Sheets	:	3 sheets max.
Booklet Tray Capacity		Approx. 50 sheets max. (when folding one sheet in three)

⚠ CAUTION:

Inside the Booklet mode outlet is the roller drive unit. DO NOT put your hand into the roller drive unit when removing folded or stapled & folded sheets; otherwise you may be injured.

PI-110 Cover Sheet Feeder (Option)

Paper Size: Upper tray: 8.5"x11", 8.5"x11"R, 5.5"x8.5", A4, A4R, B5, B5R, A5
Lower tray: max. 12.4"x18.1" (314 mm x 459 mm)

NOTE: 5.5"x8.5"/W and A5/W print paper is available in portrait orientation feeding only.

Paper Weight: 13 ~ 110 lb (200 g/m^2 thick paper)
Manual stapling: 13~110 lb (200 g/m^2 thick paper)
Manual punching: 13~45 lb
Manual stapling & folding: 16~110 lb (200 g/m^2 thick paper)
Manual three-folding: 16~110 lb (200 g/m^2 thick paper)

NOTES: • Some 45 lb paper types may not be punched easily
• Punching special paper (self-adhesive sheets etc.) will cause machine trouble.

Media Information

PK-110/120 Punching Kit (Option)

Paper Size	:	11"x17", 8.5"x11"
Paper Weight	:	13 ~ 45 lb* *Some 45 lb paper types may not be punched easily.
Number of Punch Holes	:	3
Hole Diameter	:	0.315" ± 0.020" (8.0 mm ± 0.5 mm)
Hole Pitch	:	4.253" ± 0.020" (108 mm ± 0.5 mm)

NOTE: Special paper (OHP film, labels, tabbed sheets) cannot be punched. Punching special paper will cause machine trouble.

PZ-108 Punching / Z-Folding Unit (Option)

Paper Size	:	Punching mode: 11"x17", 8.5"x11" Z-Folding mode: 11"x17" (Z-fold), 8.5"x14" (double-fold) All other paper sizes will be output without Z-fold/double-fold.
Paper Weight	:	13 ~ 45 lb* 16 ~ 24 lb for Z-Folding mode *Some 45 lb paper types may not be punched easily.
(Punch mode)		
Number of Punch Holes	:	3
Hole Diameter	:	0.315" ± 0.020" (8.0 mm ± 0.5 mm)
Hole Pitch	:	4.253" ± 0.020" (108 mm ± 0.5 mm)
(Z-Folding mode)		
Folded Width:	:	215 mm or less for 11"x17" 261.6 mm or less for 8.5"x14"

Capacity for Mixed Size Data using Z-Folding and Staple-Sort

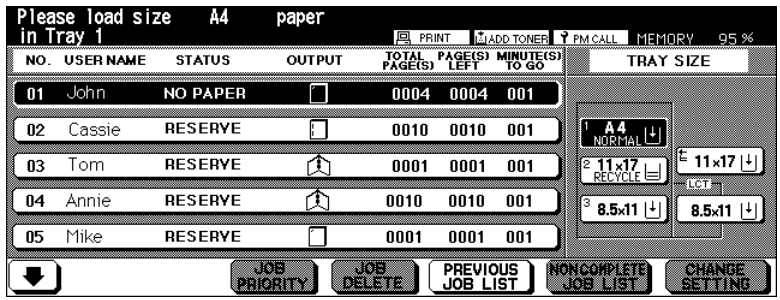
Capacity for one stapled set		Primary Tray Capacity
Number of Z-folded sheets	Number of regular sheets	
1 sheet	1 ~ 40 sheets	20 stapled sets
2	0 ~ 30	10
3	0 ~ 20	4
4	0 ~ 10	3
5	0	2
6 or more	Staple-Sort is unavailable with Z-Folding.	

NOTE: Special paper (OHP film, labels, tabbed sheets) cannot be punched. Punching special paper will cause machine trouble.

Media Information

Paper Supply Message

When the paper size specified by the driver is not set in the tray or when paper runs out, the following message is displayed on the screen.



In addition, the tray size indicator and the paper supply indicator will blink in the Tray size area of the screen.

The paper types specified for the main body trays and LCT (trays 1/2/3) are set in the Key Operator mode. The following eleven paper types can be displayed:

Main body trays

[THICK1] [THICK2] [THIN] [TRACE] [USER] [OHP] [TABPAPER]

[NORMAL] [RECYCLE] [COLOR] [SPECIAL] [FINE] [SEAL]

Paper types specified for the Multi-sheet bypass tray are specified by selecting the key on the Paper Type/Size Selection Screen. The following six paper types can be displayed:

Multi-sheet bypass tray

[THICK] [THIN] [TAB] [OHP] [TRACE] [USER]

Media Information

Paper Weight Compatibility Chart

Main Body Trays	All Trays: 16 ~ 24 lb Tray specified in Thick: 25 ~ 110 lb (200 g/m^2 thick paper) Tray specified in Thin: 13 ~ 15 lb Tray specified in Tab paper: 25 ~ 45 lb (simplex mode only)
Large Capacity Tray	16 ~ 24 lb LCT specified in Thick: 25 ~ 110 lb (200 g/m^2 thick paper) LCT specified in Thin: 13 ~ 15 lb LCT specified in Tab paper: 25 ~ 45 lb (simplex mode only)
Automatic Duplex Unit	16 ~ 110 lb (200 g/m^2 thick paper)
Multi-Sheet Bypass Tray	13 ~ 110 lb (200 g/m^2 thick paper)
FS-110/210 Finsher	13 ~ 110 lb (200 g/m^2 thick paper)
PI-110 Cover Sheet Feeder	13 ~ 110 lb (200 g/m^2 thick paper)
PK-110/120 Punching Kit	13 ~ 45 lb*
PZ-108 Punching / Z-Folding Unit	13 ~ 45 lb* 16 ~ 24 lb (Z-Folding mode)

*Some 45 lb paper types may not be punched easily.

NOTE: Reliability and print quality are not guaranteed for all special papers. Use only paper that is recommended by Konica.

HOME

Section 5: Printing Operations

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Printing Operations

Introduction

The Konica Force 65 control panel screen described in this section includes the LCD display screen, basic control panel operations and a sampling of screen messages you will encounter when using this printer.

Technical details of the LCD as well as a complete Message List can be found in the Konica Force 65 Service Manual.

Wake Up Screen

The Wake Up Screen displays immediately after the printer is turned on. Then a Wait-for-a-while screen displays while the printer initializes memory data.

The sequence is as follows:

[OFF Power]

[Power ON]

[Konica
Wake Up Screen]

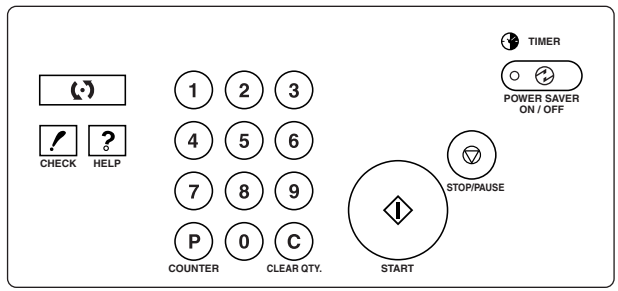
[Konica
Warm Up Screen]

Warm Up Screen

When initialization is completed, the Warm Up Screen displays with several animated pictures corresponding to the fixing temperature. Once the Warm Up Screen changes, as a result of normal user operations, you will not return to the Warm Up Screen again.

Printing Operations

Control Panel



The control panel is user friendly and easy to operate. On the right are the Weekly Timer indicator and buttons to select [POWER SAVE ON/OFF], [STOP/PAUSE] and [START] keys.

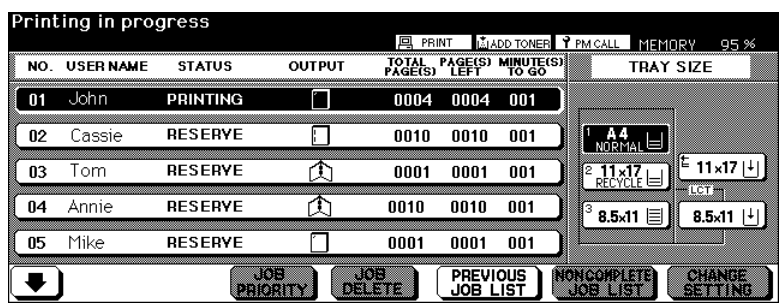
The keypad is used by service personnel to perform technical functions. On the left are keys for displaying the Check Mode and the Help Mode. The LCD screen at the far left displays machine status, and printing status and Help information.

The Basic Screen

The Basic Screen consists of a Message area, Icon area and JOB Control area. The Basic Screen normally looks like the sample screen below. The message area at the top displays two lines of information, each with a maximum of 40 alphanumeric characters.

The icon area in front of ADD TONER, PM CALL and MEMORY displays controller status, such as, [WAITING], [INITIAL], [PRINT], [ERROR], and [IDLE].

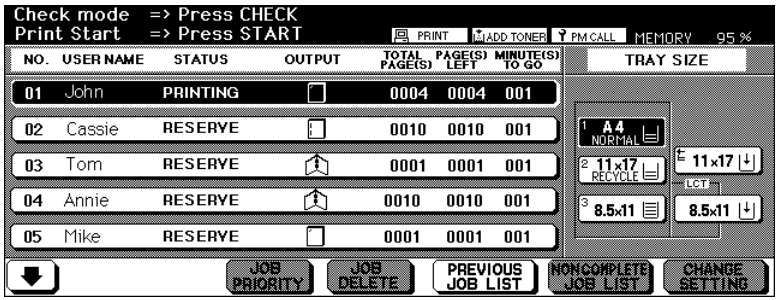
This portion of the screen displays the status regarding Job Control



Printing Operations

Check Mode Message

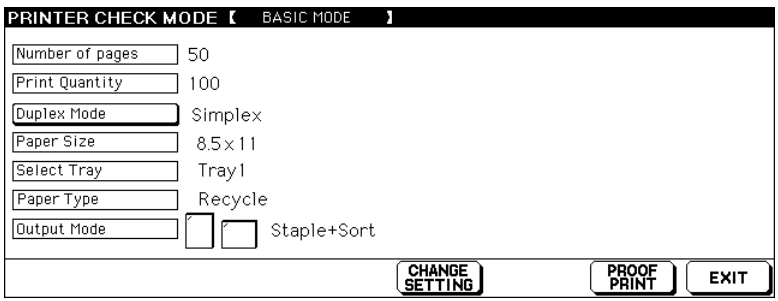
When the temporary stop function is specified by the driver, the following message displays on the Basic Screen.



When the [CHECK] key is pressed the Printer Check Screen will be displayed.
When the [START] key is pressed, printing will begin.

Check Screen

When you press the [CHECK] key on the control panel, the Check Screen displays as shown below. You may view the list, which is displayed in real time.



Touch the **CHANGE SETTING** key to display the Change Setting Screen.
Make setting changes and press **OK**.

Touch the **PROOF PRINT** and output only one set of the print quantity amount, whether a change has been made or not. Then press the [START] key to print out the remaining quantity.

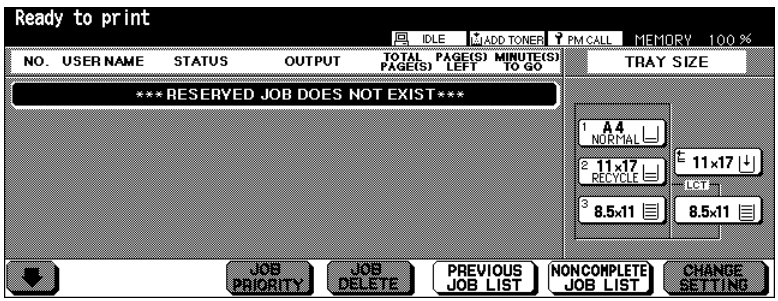
Printing Operations

Reservation List

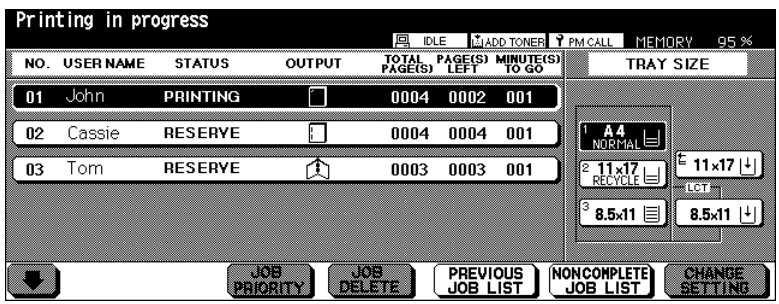
Screen Display

The reservation list screen displays after the main power switch is turned on and warm up is completed. When no job is reserved, the screen looks like the screen shown below. Notice that the **JOB PRIORITY** key and the **JOB DELETE** key are shaded, which means they do not function.

No Jobs Reserved



Jobs Reserved



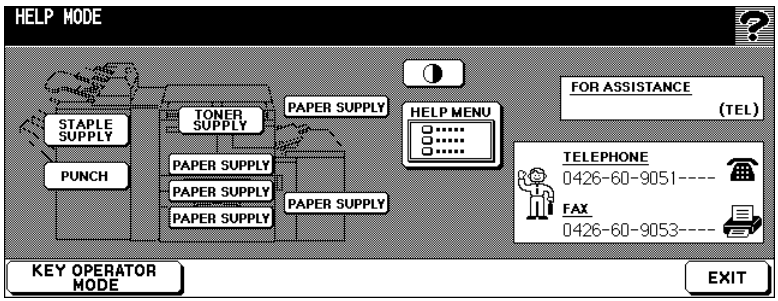
Printing Operations

Help Mode

Use the [HELP] key to access information about the current screen mode and to learn about setting procedures. The [HELP] key can be pressed from any screen except Key Operator Screens.

The Help Screen includes the Help menu icon in the center. When the **HELP MENU** key is touched, the Help Menu Screen displays a list of all of the printer functions. When a function item is touched, the Help Screen displays information specific to that topic.

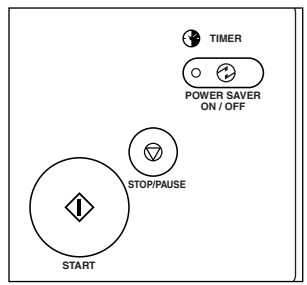
The **KEY OPERATOR MODE** key is also provided in the lower left position of the Help Screen. When touched, the Key Operator Password Entry Screen will be displayed to access the Key operator mode. See p. 9-2.



Printing Operations

Stop Printing

To stop printing, press the [STOP/PAUSE] key while the printing job is in process.



The printing job will be suspended temporarily, and a popup menu will display on the Basic Screen to ask you to continue or cancel the job.

Touch **EXIT** to cancel the job and delete the data, or **CONTINUE** to complete the job.

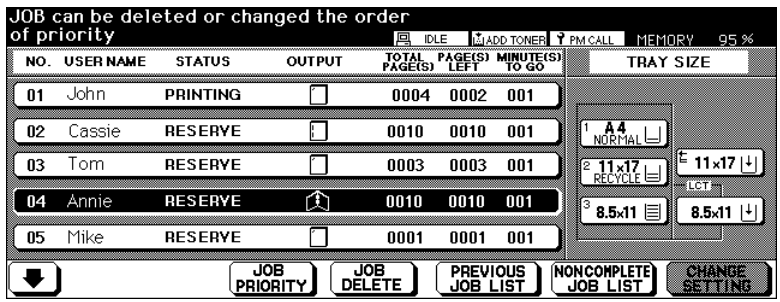
NOTE: This procedure deletes the data of the job in progress only. To clear reserved jobs, see p. 5-9.

Printing Operations

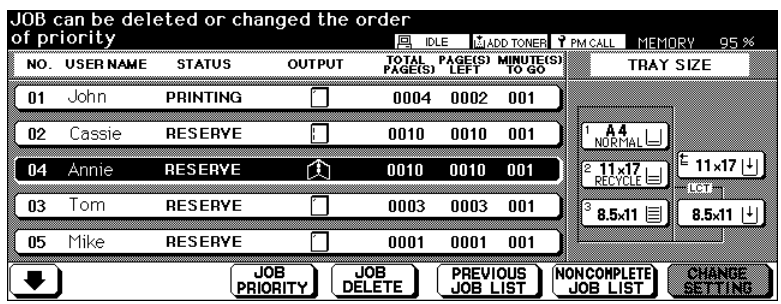
Change Job Order

When a reserved job is listed on the screen, you may select the Status display key to highlight the job and then touch the **JOB PRIORITY** key to change the order of priority. (See screens below.)

Screen without Job Priority change



Screen with Job Priority change



Note that it is not possible to change the priority of a job in the process of printing.

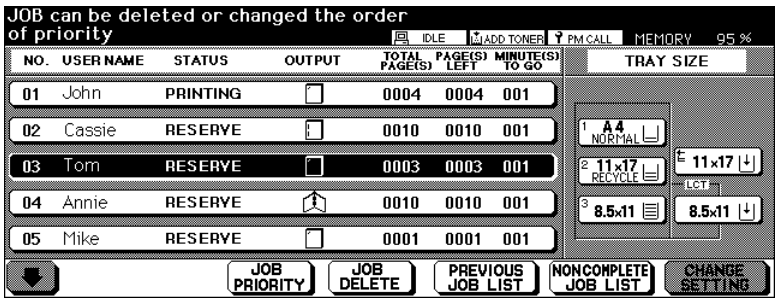
Printing Operations

Job Deletion

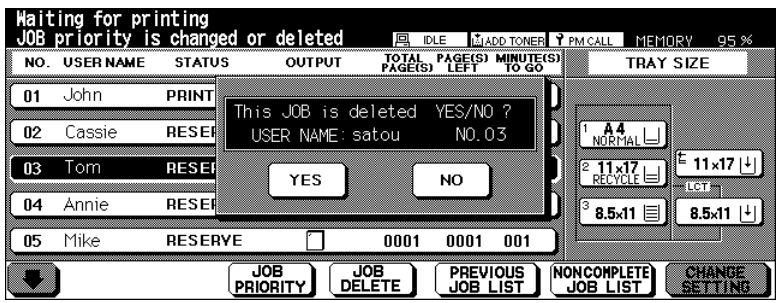
Touch the Status key to highlight a Job, then touch the **JOB DELETE** key to delete the Job. Before the Job is deleted, a pop up screen allows you to confirm the deletion.

Touch **YES** to delete the Job. Touch **NO** to keep the Job. Keep in mind that a Job in progress and a Job in data transmission cannot be deleted.

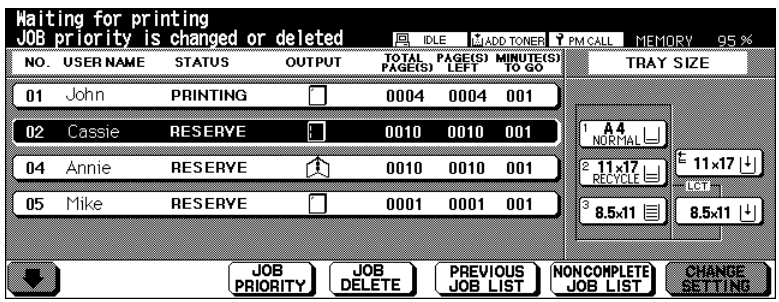
Job Selected for Deletion



Pop Up Screen Confirmation



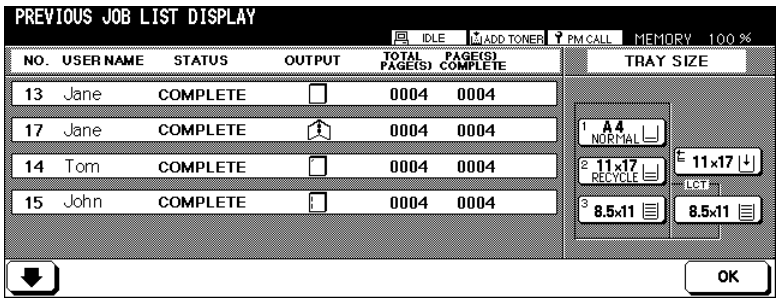
Screen Displayed After Deletion



Printing Operations

Previous Job List

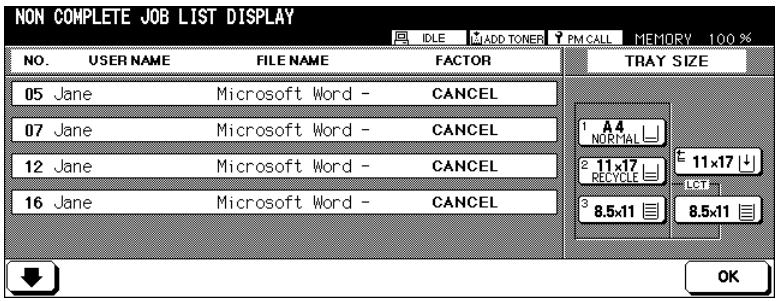
The Previous Job List can be displayed by touching the **PREVIOUS JOB LIST** key at the bottom of the screen. The sample below shows that four previous Jobs per screen can be displayed. If more Jobs are able to be displayed, up and down arrow keys will become available at the bottom of the screen. Use these keys to scroll back and forth to display a maximum of sixteen Jobs, four Jobs per screen. When you touch **OK**, the Reservation List Screen is displayed.



Printing Operations

Non Complete Job List

The Non Complete Job List can be displayed by touching the **NON COMPLETE JOB LIST** key at the bottom of the screen. The sample below shows that four non complete Jobs per screen can be displayed. If more Jobs are able to be displayed, up and down arrow keys will become available at the bottom of the screen. Use these keys to scroll back and forth to display a maximum of sixteen Jobs, four Jobs per screen. When you touch **OK**, the Reservation List Screen is displayed.

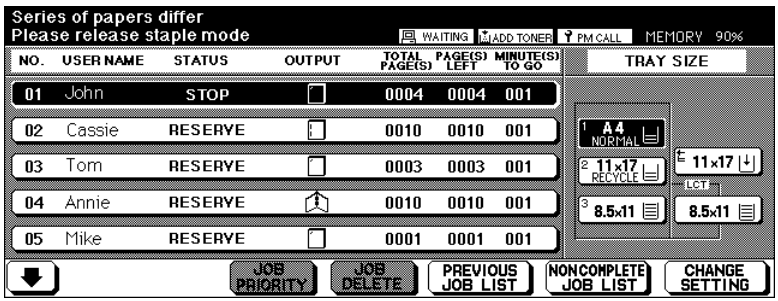


Printing Operations

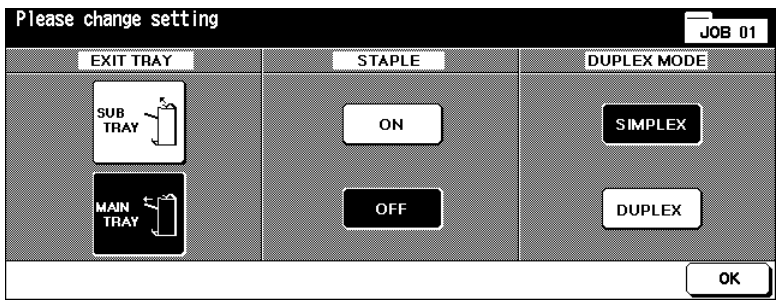
Change Setting

In the event that the machine detects mixed originals with different widths that cannot be stapled, printing will stop and the machine will enter Wait Mode. The **CHANGE SETTING** key enables you to change the setting and restart the Job. Touch the **CHANGE SETTING** key, change the setting, then touch **OK**.
When the Reservation List Screen reappears, press [START] key to restart the Job.

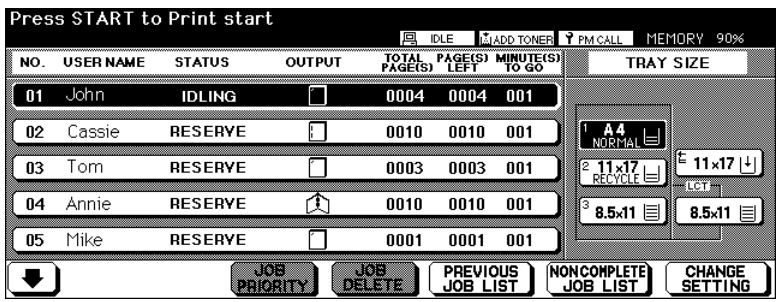
Waiting screen alternately displays "Print on Letter if you restart the Job."



Touch "OFF" to change the mode.



After changing the setting, the Job is ready to be printed.



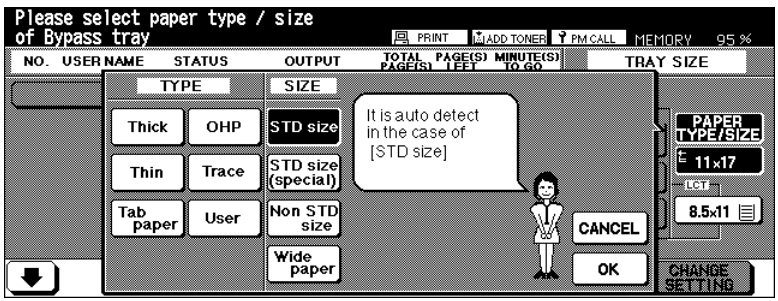
Printing Operations

Print Size

Selecting Paper Type/Size for Multi-Sheet Bypass Tray

1 Open the Multi-sheet bypass tray, and load the print paper on the tray. See p. 8-5, p. 8-8 for further details.
2 Touch Bypass key, then touch **PAPER TYPE/SIZE**. The Paper Type/Size Selection Screen will be displayed.
3 Touch the desired key.

Paper Type/Size Selection Screen



- When **Thick**, **Thin**, **Tab paper**, **OHP**, **Trace**, or **User** is highlighted, a printing job will be performed conforming to the selected paper type.
  If no paper type indication is needed, touch the highlighted key to clear the selection in the TYPE area.
  The selection will show on the Basic Screen when restored.

NOTES: • When selecting Thick, THICK 1 will be displayed on Bypass key of the Basic Screen.
• When selecting TAB, AMS is automatically selected. The STD size (special) and Non STD size cannot be selected, and loaded tab paper cannot be output as a duplexed document.

Printing Operations

Controller Screen

The Controller Screen displays separate sections for Messages, Icons, the Main Menu, and a Main window.

- The Message section displays the characters sent from the controller and include a max. of 40 digits x 2 lines.
- The Icon area displays engine status icons relating to Add Toner/PM Call, Vacant Memory Capacity.
- The Main Menu area displays the Controller setting menu in 16 digits max.
- The Main Window area displays the item selected from the main menu. A max. of 4 digits can be displayed on a given screen. Four control keys are displayed at the bottom of the screen. Use the up and down arrow keys to scroll through the menu.
- The Sub-window of the item selected from the main menu displays up to 8 items using a maximum of 16 digits. A maximum of 4 control keys are displayed at the bottom of the sub-window. Use the up and down arrow keys to scroll through the menu.

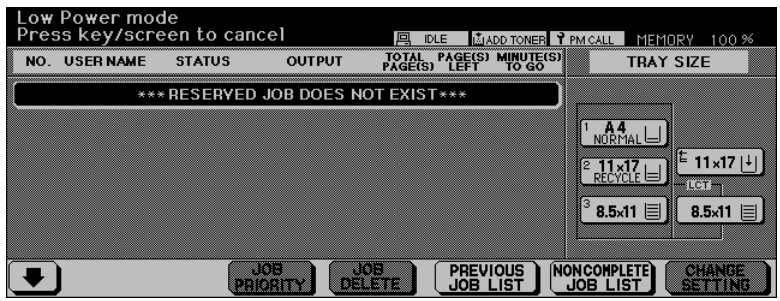
Printing Operations

Auto Low Power Mode

Auto Low Power mode enables you to conserve energy by maintaining a lower fixing temperature during periods of printer inactivity.

Auto Low Power mode automatically lowers the power after a specified period of printer inactivity as specified in the Key Operator mode. The Auto low power function can be set to 5 minutes/ 10 minutes/ 15 minutes/ 30 minutes/ 60 minutes/ 90 minutes/ 120 minutes/ 240 minutes. Initially, the mode is set to function after 15 minutes of printer inactivity. The [POWER SAVER ON/OFF] LED goes on.

The Low Power Mode Screen is similar to the Reservation List Screen but with darker backlighting to save energy consumption.



Printing Operations

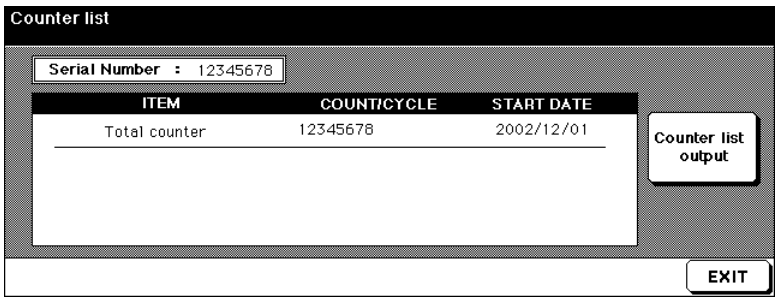
The Counter List

This function allows you to view the current status of items shown on the touch panel, such as Total Counter and Counter Start Date.

View the Counter List

1 To display the Counter List, press [P (COUNTER)].
2 After viewing the Counter List, touch **EXIT** to return to the Basic Screen.

Counter List Screen



Print the Counter List

1 Press [P (COUNTER)] to display the Counter List Screen.
2 Touch **Counter list output**. The Basic Screen will be displayed.
3 Touch the desired tray key to select the print size.
4 Press [START].
The counter list will be printed out, and the Management list mode will be released.

Printing Operations

Weekly Timer Function

When the printer is using the weekly timer function, the TIMER indicator on the right side of the control panel is lit.
Important: When the TIMER indicator is lit, the printer will automatically be turned off. Do not turn it off by pressing power switch.

Timer Interrupt

When the TIMER indicator light is on and other indicators are off, printing is unavailable. When pressing the [POWER SAVER ON/OFF] key, the Basic screen will be displayed along with the messages shown below.

Please wait Printer is warming up

Timer interrupt mode Enter password

NOTE: The Timer Interrupt password is set by the Key Operator, not as factory default.

Printing Operations

Weekly Timer Function (continued)

Timer Interrupt (continued)

1 Enter a 4-digit number Timer Interrupt password using the keypad on the control panel. If an invalid password is entered, enter a valid 4-digit password.

Timer interrupt mode Enter password ✻✻✻✻

2 Press the [START].

Input print time 0 hour(s) 05 minute(s)

3 Enter a 1-digit hour (ex. 3 hour is 3) using the keypad on the control panel. (0 ~ 9)

4 Press [START].

Input print time is 3 hour(s) 05 minute(s)

5 Enter a 2-digit minutes (ex. 7 minutes is 07) using the keypad on the control panel. (05 ~ 60)

Input print time is 3 hour(s) 07 minute(s)

6 Press [START].
Printing is available until the set time is up.

7 When timer interrupt is finished, press [POWER SAVER ON/OFF].
The Shut-Off Setting Screen will be displayed.

HOME

Section 6: Output Modes

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Output Modes

FS-110/210 Finisher Specifications

Use only paper that is recommended by Konica and stored under the environmental conditions stated for print quality. Special stock is not guaranteed for reliability or print quality. This Finisher also accommodates wide paper sizes in addition to the standard sizes described below. See p. 4-5 ~ p. 4-7 for details.

Finisher Type

❒ Primary (Main) Tray with built-in 2 stapling: moving tray type
Secondary (Sub) Tray
Booklet Tray (FS-210 Finisher only)
Cover Sheet Feeder PI-110 (option)
Punching Kit PK-110/120 (option)
Punching / Z-Folding Unit PZ-108 (option)

Primary (Main) Tray

- Non-Sort Mode

❒ Paper size: 11"x17"~5.5"x8.5"
❒ Paper weight: 16~24 lb; Special stock (65 lb (176 g/m^2 cover paper), transparency film, labels, hole punch, rag content)
❒ Paper capacity for 20 lb: 500 sheets 5.5"x8.5"
3,000 sheets 8.5"x11", 8.5"x11"R (FS-110)
2,500 sheets 8.5"x11, 8.5"x11"R (FS-210)
1,500 sheets 11"x17", 8.5"x14"

- Sort Mode/Group Mode

❒ Paper size: 11"x17"~5.5"x8.5"
❒ Paper weight: 16~24 lb
❒ Paper capacity for 20 lb: 500 sheets 5.5"x8.5"
3,000 sheets 8.5"x11", 8.5"x11"R (FS-110)
2,500 sheets 8.5"x11, 8.5"x11"R (FS-210)
1,500 sheets 11"x17", 8.5"x14"

- Staple-Sort Mode

❒ Paper size: 11"x17", 8.5"x14", 8.5"x11"R, 8.5"x11" (5.5"x8.5" is available in portrait orientation only.)
❒ Paper weight: 16~24 lb

NOTE: Using excessively curled paper or some types of thin paper in Staple-sort mode may cause poor results in arrangement of the stapled sets.

❒ Paper capacity for 20 lb: 1,000 sheets*1
❒ Staple capacity: 50 sheets*2 (5.0 mm thick or less)
❒ Staple position: See p. 6-7.

- Z-Folding Mode: See p. 6-4

NOTES: *1: Variable according to the number of pages to be stapled. See p. 4-5 for details.
*2: Staple sheet capacity is changeable, and may be set to 45, 40 or 35 by your service representative.

Output Modes

FS-110/210 Finisher Specifications (continued)

Secondary (Sub) Tray

- Non-sort and face down exit
- Non-sort and face up exit
- Group and face down exit
- Group and face up exit

❒ Paper size: 11"x17"~5.5"x8.5"
❒ Paper weight: 16~24 lb
❒ Paper capacity for 20 lb: 200 sheets

Booklet Tray (FS-210 Finisher only)

- Folding Mode

❒ Paper size: 11"x17", 8.5"x14", 8.5"x11"R, A4R (8.27"x11.69", 210 mm x 297 mm)
❒ Paper weight: 16~24 lb; Special stock (20 lb paper is recommended)
❒ Number of Folding sheet: 3 sheets max.
❒ Booklet tray capacity: Approx. 100 sheets max.
33 sets max. of 3-sheet-folded booklet
(33 x 3 = 99 sheets)
50 sets max. of 2-sheet-folded booklet
(50 x 2 = 100 sheets)
Approx. 75 sheets max. for 8.5"x11"R, A4R
25 sets max. of 3-sheet-folded booklet
(25 x 3 = 75 sheets)

- Stapling & Folding Mode

❒ Paper size: 11"x17", 8.5"x14", 8.5"x11"R, A4R (8.27"x11.69", 210 mm x 297 mm)
❒ Paper weight: 16~24 lb; Special stock (20 lb paper is recommended)
❒ Number of Folding sheet: 20 sheets max. (using 20 lb paper only)
19 sheets max. (a thick cover paper included)
❒ Booklet tray capacity: Approx. 100 sheets max.
20 sets max. of 5-sheet-folded booklet
(20 x 5 = 100 sheets)
10 sets max. of 10-sheet-folded booklet
(10 x 10 = 100 sheets)
6 sets max. of 16-sheet-folded booklet
(6 x 16 = 96 sheets)
Approx. 75 sheets max.
15 sets max. of 5-sheet-folded booklet
(15 x 5 = 75 sheets)

Output Modes

FS-110/210 Finisher Specifications (continued)

Cover Sheet Feeder

- ❒ Paper size: Lower tray; 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", A4, A4R (8.27"x11.69", 210 mm x 297 mm)
  Upper tray; 8.5"x11", 8.5"x11"R, 5.5"x8.5
- ❒ Paper weight in cover sheet mode: 13~110 lb (200 g/m^2 thick paper)
- ❒ Paper weight in manual staple: 16~24 lb

Punching Kit

- Punch Mode (available in combination with Primary (Main) Tray output modes)
- ❒ Paper size: 11"x17", 8.5"x11"
- ❒ Paper weight: 13~45* lb *Some 45 lb paper types may not be punched easily.
- ❒ Number of holes: 3 holes
- ❒ Hole diameter: 0.315" ± 0.020" (8.0 mm ± 0.5 mm)
- ❒ Hole pitch: 4.252" ± 0.020" (108 mm ± 0.5 mm)

Punching / Z-Folding Unit

- Punch Mode (available in combination with Primary (Main) Tray output modes)
- ❒ Paper size: 11"x17", 8.5"x11"
- ❒ Paper weight: 13~45* lb *Some 45 lb paper types may not be punched easily.
- ❒ Number of holes: 3 holes
- ❒ Hole diameter: 0.315" ± 0.020" (8.0 mm ± 0.5 mm)
- ❒ Hole pitch: 4.252" ± 0.020" (108 mm ± 0.5 mm)

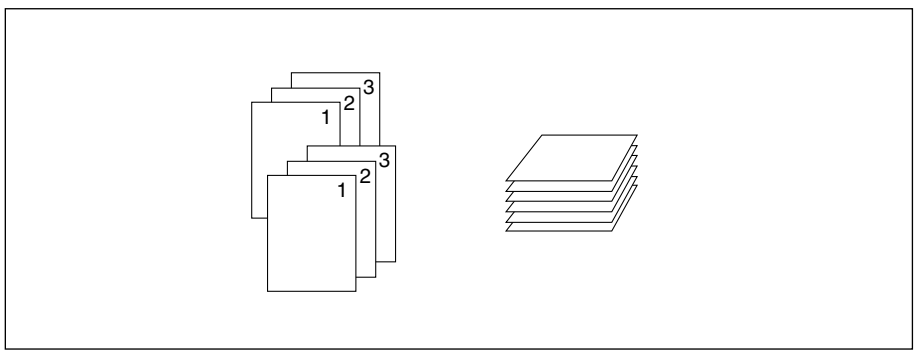
- Z-Folding Mode (available in combination with Primary (Main) Tray output modes)
- ❒ Paper size: 11"x17" (Z-fold), 8.5"x14" (double-fold)
- ❒ Paper weight: 16~24 lb
- ❒ Folded width*: 215 mm or less for 11"x17"
  261.6 mm or less for 8.5"x14" *The width from the paper edge to the first folded line

Output Modes

Non-Sort Mode Using Primary (Main) Tray

The Non-sort mode simply means that the offset-stacker finisher modes are not selected. Prints will be stacked upon exit without being offset by sorted sets.
With the Primary (main) tray initially selected, FS-110/210 outputs the printed sheets FACE DOWN in the proper order.

- Paper size: 11"x17", 8.5"x14", 8.5"x11"R, 8.5"x11", 5.5"x8.5"
- Paper capacity for 20 lb: 500 sheets 5.5"x8.5"
  3,000 sheets 8.5"x11", 8.5"x11"R (FS-110)
  2,500 sheets 8.5"x11", 8.5"x11"R (FS-210)
  1,500 sheets 11"x17", 8.5"x14"



CAUTION:

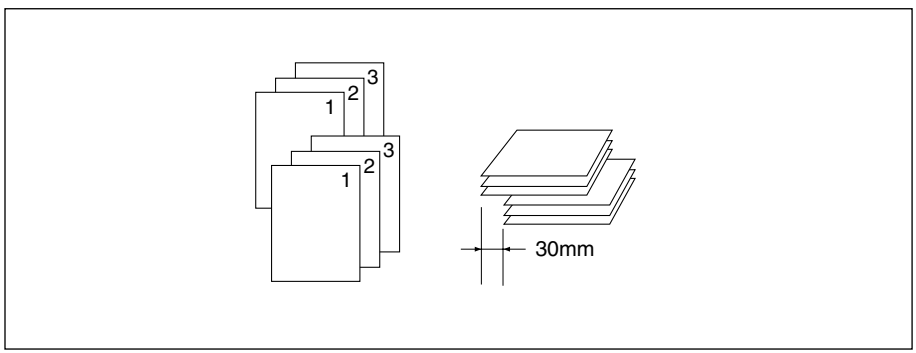
When the selected print quantity exceeds the Finisher's maximum capacity, remove the printed sheets while paper is exiting to avoid paper mishandling.
You may also ask your service representative to set the printer to stop printing when the established capacity is exceeded.

Output Modes

Sort Mode Using Primary (Main) Tray

Use this mode when you want to output multiple prints of the original set, and have each sorted set offset upon exit. The staple mode can be selected with the sort mode.
With the Primary (main) tray initially selected, FS-110/210 outputs the printed sheets FACE DOWN in the proper order.

- ❒ Paper size: 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", 5.5"x8.5"R
- ❒ Paper capacity for 20 lb: 500 sheets 5.5"x8.5"
  3,000 sheets 8.5"x11", 8.5"x11"R (FS-110)
  2,500 sheets 8.5"x11", 8.5"x11"R (FS-210)
  1,500 sheets 11"x17", 8.5"x14"



CAUTION:

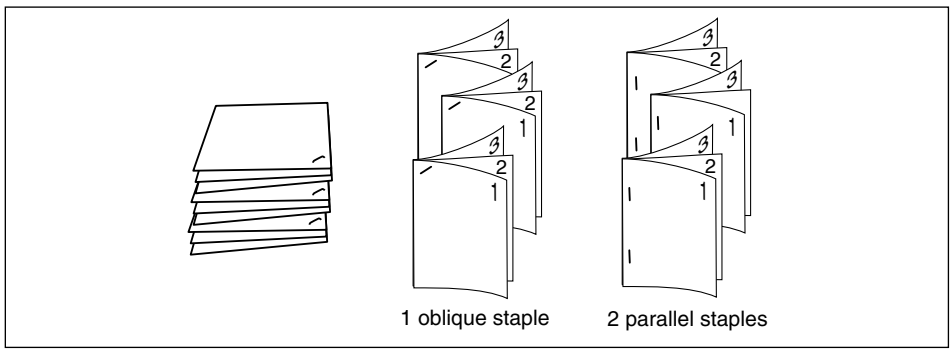
When the selected print quantity exceeds the Finisher's maximum capacity, remove the printed sheets while paper is exiting to avoid paper mishandling.
You may also ask your service representative to set the printer to stop printing when the established capacity is exceeded.

Output Modes

Staple-Sort Mode Using Primary (Main) Tray

Use this mode when you want to offset and staple each printed set. Stapling position and number of staples (1 or 2) can be designated.
Each finished set will be offset from the next printed set.
With the Primary (main) tray initially selected, FS-110/210 outputs the printed sheets FACE DOWN in the proper order.

- ❒ Stapled paper at 1 position: 11"x17", 8.5"x14", 8.5"x11"R, 8.5"x11" (5.5"x8.5" is available in portrait orientation only.)
- ❒ Stapled paper at 2 positions: only 8.5"x11" paper loaded with larger vertical dimension
  11"x17", 8.5"x14", 8.5"x11"R, 8.5"x11" paper loaded with larger horizontal dimension
- ❒ Paper capacity for 20 lb: 1,000 sheets (Variable according to the number of pages to be stapled. See p. 4-5 for details.)
- ❒ Staple capacity: 50 sheets 20 lb (5.0 mm thick or less)
  (Staple capacity is changeable, and may be set to 45, 40, or 35 by your service representative.)
- ❒ Staple position: 1 oblique staple*; 2 parallel staples
  *: Oblique staple may change to parallel staple when using some print sizes.



NOTE: Using excessively curled paper or some types of thin paper in Staple-sort mode may cause poor results in arrangement of the stapled sets.

Output Modes

Folding and Stapling & Folding Modes

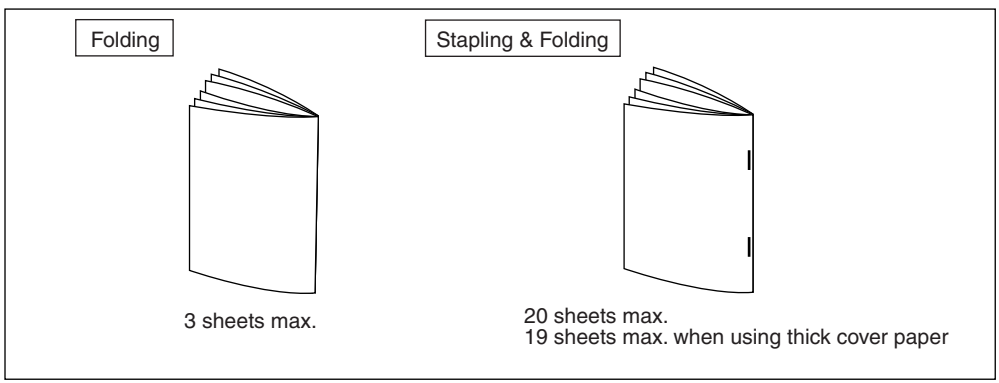
The Folding and Stapling & Folding modes are available only when the FS-210 Finisher option is installed. When any stapling and folding mode is selected, the Booklet feature is automatically selected.

NOTE: When printing dark data or using Reverse Image mode together with Folding or Stapling & Folding mode, the folded line of the output prints may be slightly shifted.

The following print results may be expected when using Folding or Stapling & Folding mode:

In Folding mode, each printed set is folded and output to the Booklet tray of the finisher.
In Stapling & Folding mode, each printed set is stapled at two positions (saddle stitched), then folded and output to the Booklet tray of the finisher.

- Max. number of folded sheets (20 lb Bond) in both modes:
  Folding: 3 sheets (less than in Staple & Folding mode because they are not cinched first)
  Stapling & Folding: 20 sheets
  19 sheets when using thick cover paper
- Paper size: 11"x17", 8.5"x14", 8.5"x11"R, A4R
- Paper weight: 16~24 lb; Special stock (20 lb paper is recommended)
- Booklet tray capacity:
  When the Booklet tray capacity is exceeded, the finisher will stop operating. Select the appropriate print quantity by referring to the following capacities.
  Approx. 100 sheets max.
  Folding: 33 sets max. of 3-sheet-folded booklet (33 x 3 = 99 sheets)
  Stapling & Folding: 20 sets max. of 5-sheet-folded booklet (20 x 5 = 100 sheets)
  6 sets max. of 15-sheet-folded booklet (6 x 15 = 90 sheets)
  Approx. 75 sheets max. (8.5"x11"R, A4R)
  Folding: 25 sets max. of 3-sheet-folded booklet (25 x 3 = 75 sheets)
  Stapling & Folding: 15 sets max. of 5-sheet-folded booklet (15 x 5 = 75 sheets)

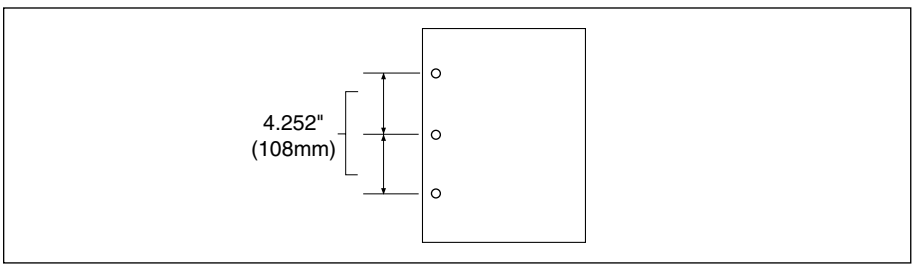


Output Modes

Punch Mode

The Punch mode is available only when the PK-110/120 Punching kit or PZ-108 Punching/ Z-Folding unit option is installed on the FS-110/FS-210 finisher.
If both PK-110/120 Punching kit and PZ-108 Punching / Z-Folding unit are installed in the machine, the PZ-108 Punching / Z-Folding unit is used.
When the Punch mode is selected in combination with any of the Primary (Main) tray output modes, each printed sheet is punched and output to the Primary tray according to the selected output mode.

- ❒ Print paper size: 11"x17", 8.5"x11" (20 lb paper recommended)
- ❒ Paper weight: 20 lb ~ 24 lb bond recommended
  Thin paper: 16 lb ~ 19 lb
  Thick paper: 25 lb ~ 45 lb
- ❒ Number of holes: 3 holes
- ❒ Hole diameter: 0.315" ± 0.020" (8 mm ± 0.5 mm)
- ❒ Hole pitch: 4.252" ± 0.020" (108 mm ± 0.5 mm)

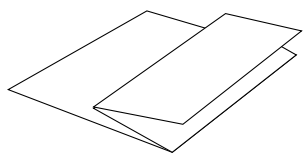


Output Modes

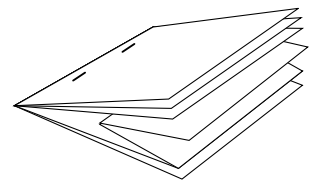
Z-Folding Mode

The Z-Folding mode is available only when the PZ-108 Punching / Z-Folding unit option is installed on the FS-110/FS-210 Finisher.
When the Z-Folding mode is selected in combination with any of the Primary (main) tray output modes, the print data is printed on 11"x17"/8.5"x14" print paper and output to the Primary (main) tray of the finisher according to the selected output mode.

- ❒ Folding type: Z-folding (11"x17"), double-folding (8.5"x14")
- ❒ Print paper size: 11"x17", 8.5"x14"
  All other paper sizes will be output without Z-fold or double-fold.
- ❒ Folded width*: 215 mm or less for 11"x17"
  261.6 mm or less for 8.5"x14"
  *The width from the paper edge to the first folded line
- ❒ Paper weight: 16~24 lb
- ❒ Special paper type (Thick 2 transparent films, labels, tabbed sheets) and non-standard size (STD size (special), Non STD size, Wide paper) cannot be Z-folded.
  Using special paper will cause the machine trouble.
  Some plain paper types may cause folded line to shift in Z-Folding mode.
- ❒ When using Z-Folding, Staple-sort and APS for mixed size data, heed the limits on capacity described p. 4-8.



Z-Folding



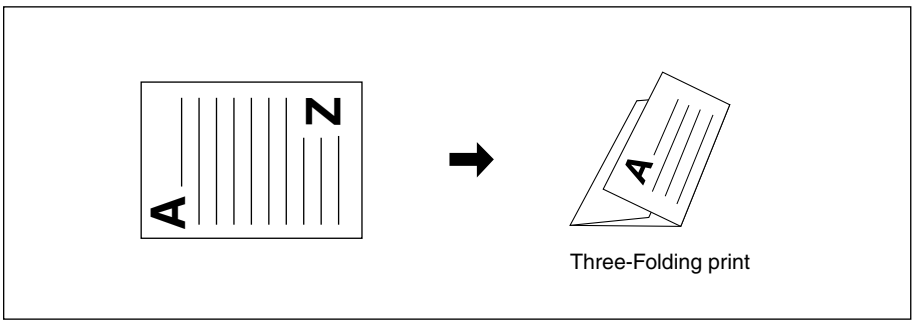
Z-Folding + Staple-sort
+ APS with mixed size data

Output Modes

Three-Folding Mode

The Three-Folding mode is available only when the FS-210 Finisher option is installed. In this mode, the print data is printed on 8.5"x11"R print paper and output to the Booklet tray of the finisher.

- ❒ Print paper size: 8.5"x11"R, A4R (20 lb paper recommended)
- ❒ Max. number of folded sheets (20 lb Bond): 3 sheets
- ❒ Paper weight: 16~24 lb; Special stock (20 lb paper is recommended)
- ❒ Booklet tray capacity: 50 sets max. of 1-sheet-folded set (50 sheets)



Output Modes

Cover Sheet Feeder

The Cover Sheet Feeder (PI-110) is available as an option on the FS-110/210 finisher. Load cover sheet paper into this device and use the sheets as front covers for printed sets output to the Main tray or use the sheets as booklet-type covers for printed sets output to the Booklet tray in the Folding or Stapling & Folding mode.

NOTES:
- Paper loaded into the cover sheet feeder cannot be printed.
- This function is incompatible with cover sheet mode in Booklet and cover mode in Sheet/Cover Insertion.

❒ Cover paper size:

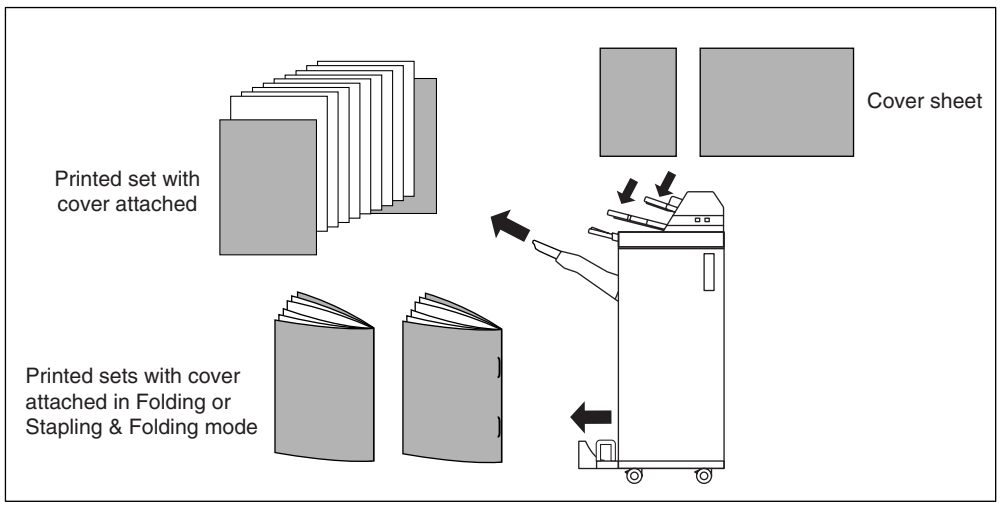
Upper tray; 8.5"x11", 8.5"x11"R, 5.5"x8.5"*

Lower tray; 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5" *

*5.5"x8.5" paper is available in portrait type feeding only.

❒ Cover paper weight: 13~110 lb (200 g/m^2 cover paper)

❒ Tray capacity: 200 sheets (110 lb (200 g/m^2 cover paper) or 30 mm thick for both trays



Output Modes

Manual Finishing

The Manual Finishing function is available only with the Cover Sheet Feeder option (PI-110) installed on the FS-110/210 Finisher. To use this convenient function, simply place a set of paper into the lower tray of the cover sheet feeder, select the desired mode from the Manual Finishing operation panel located on the top of the finisher, then press the Start/Stop button.
Available finishing modes according to the optional configuration are described below.

FS-110 Finisher + PI-110 Cover Sheet Feeder
- 1 oblique staple: Primary (main) tray
- 2 parallel staples: Primary (main) tray

FS-110 Finisher + PI-110 Cover Sheet Feeder + PK-110/120 Punching Kit
- 1 oblique staple
- 2 parallel staples
- Punch

FS-210 Finisher + PI-110 Cover Sheet Feeder
- 1 oblique staple
- 2 parallel staples
- Stapling & Folding (2 staples in the center + Folding)
- Three-Folding

FS-210 Finisher + PI-110 Cover Sheet Feeder+ PK-110/120 Punching Kit
- 1 oblique staple
- 2 parallel staples
- Stapling & Folding (2 staples in the center + Folding)
- Three-Folding
- Punch

Specifications for Manual Stapling 1 oblique staple and 2 parallel staples
- ❒ Paper size: 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, 5.5"x8.5", A4, A4R (8.27"x11.69", 210 mm x 297 mm)
- ❒ Paper weight: 16~24 lb (20 lb paper is recommended)
- ❒ Staple capacity: 50 sheets max. (20 lb paper)
- ❒ Output tray: Primary (main) tray

Specifications for Manual Punch
- ❒ Paper size: 11"x17", 8.5"x11", A4 (8.27"x11.69", 210 mm x 297 mm)
- ❒ Paper weight: 16~24 lb (20 lb paper is recommended)
- ❒ Punch capacity: 200 sheets max. (24 lb paper) or within 30 mm thick
- ❒ Output tray: Primary (main) tray
- ❒ The machine with PZ-108 Punching / Z-Folding Unit requires PK-110/120 Punching Kit to use this function.

Output Modes

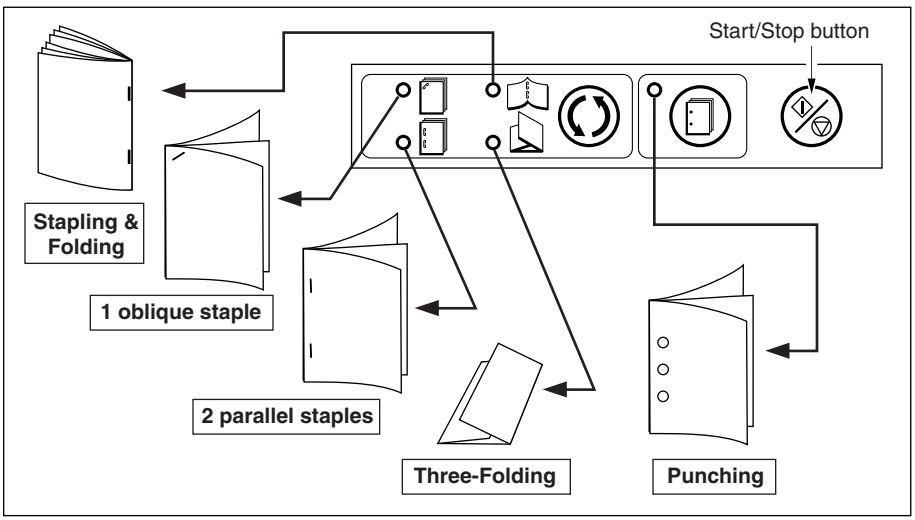
Manual Finishing (continued)

Specifications for Manual Stapling & Folding mode

- ❒ Paper size: 11"x17", 8.5"x14", 8.5"x11"R, A4, A4R (8.27"x11.69", 210 mm x 297 mm)
- ❒ Paper weight: 16~24 lb (20 lb paper is recommended)
- ❒ Staple capacity: 20 sheets max. (20 lb paper)
  19 sheets max. (20 lb paper with a thick paper cover)
- ❒ Output tray: Booklet tray

Specifications for Manual Three-Folding mode

- ❒ Paper size: 8.5"x11"R, A4R (8.27"x11.69", 210 mm x 297 mm)
- ❒ Paper weight: 16~24 lb (20 lb paper is recommended)
- ❒ Folding capacity: 3 sheets max. (20 lb paper)
- ❒ Output tray: Booklet tray

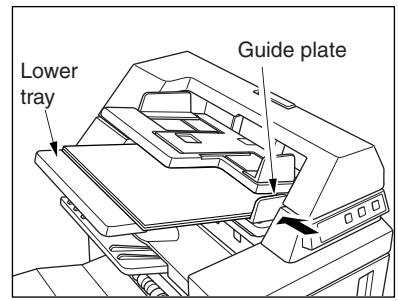


Output Modes

Manual Finishing (continued)

1 Place a set of paper to be finished into the lower tray of the cover sheet feeder, as described below for each mode, then align the guide plate. The indicator light of Start/Stop button will turn green.
   - 1 oblique staple / 2 parallel staples: FACE UP
   - Punch: FACE UP
   - Stapling & Folding: FACE UP for the outside of the finished set
   - Three-Folding: FACE UP for the outside of the folded set

   NOTE: Refer to the specifications on previous page for available paper size and capacity in each mode.



2 Press Staple Mode Selection button and/or Punch button to select the desired mode.
   NOTE: Punch mode is compatible with 1 oblique staple, 2 parallel staples, or Stapling & Folding mode.
3 Press Start/Stop button.
   Finished sheets will be delivered to the appropriate tray according to the selected mode.

NOTE: If you want to stop the Manual Finishing operation, press the Start/Stop button again. The finisher will cease operating. When using Stapling & Folding mode, the unfinished set will be left in the stacker unit inside the finisher.

⚠ CAUTION

When the Booklet tray capacity is exceeded, the finisher will cease operating. To avoid this, select the appropriate print quantity from the specifications on p. 6-8.

⚠ CAUTION:

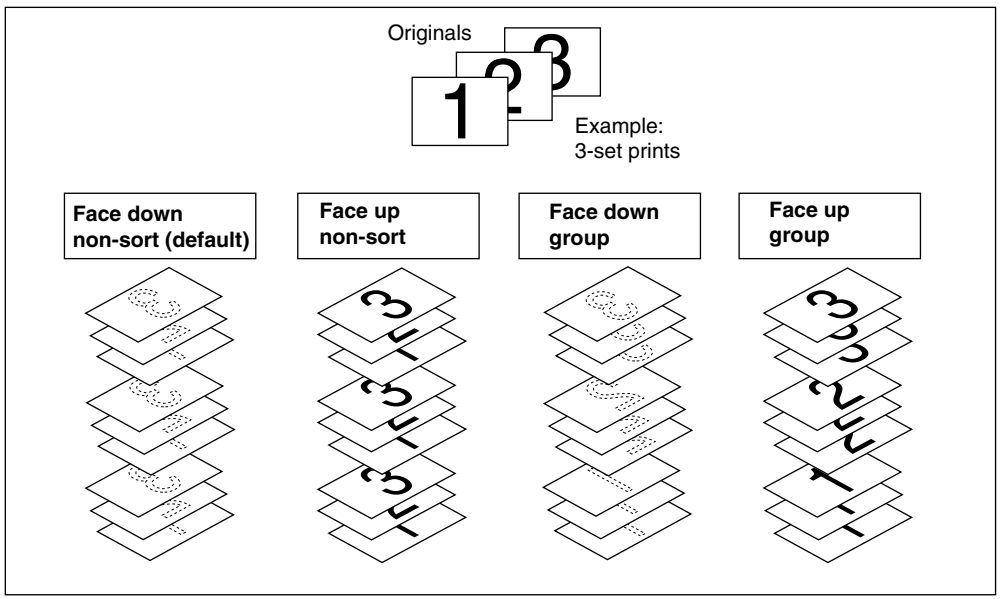
When the selected print quantity exceeds the Finisher's maximum capacity, remove the printed sheets while paper is exiting to avoid paper mishandling.
You may also ask your service representative to set the printer to stop printing when the established capacity is exceeded.

Output Modes

Output Mode for Machine without Finisher

This section describes eight output modes for a printer without the Finisher.

- ❒ Face down non-sort exit (default)
- ❒ Face down group exit
- ❒ Face up non-sort exit
- ❒ Face up group exit



HOME

Section 7: Web Utilities

To Use Web Utilities 7-2

Machine Information Mode 7-4

Job Status Mode 7-5

Environment Setup Mode 7-6

To Set E-Mail Transmission Function.....7-6

Web Utilities

To Use Web Utilities

When the machine is connected to a PC over a network, a web browser on the PC provides the following functions.

1 Main Page
Displays the job in progress, service call, and machine information.

2 Job Status
Displays the current and previous job status.

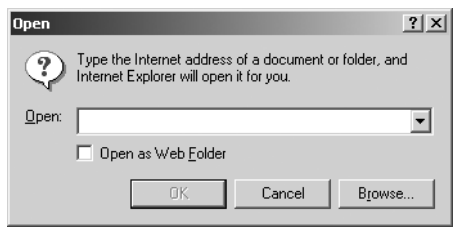
3 Environment Setup
Performs the Key Operator setting concerning network environment.

Browser: Internet Explorer 5.0 / Netscape 4.0 or later

Follow the procedure below to access the Web Utilities of the machine using the web browser.

1 Turn on the power to the PC connected with the machine over a network.
NOTE: Contact your network manager for details on the network system.

2 Activate the web browser, then select [**Open**] from the File menu.



3 Enter the URL (http:// [IP address or host name of the machine]), then click on [**OK**]. The Main Page of the Web Utilities will be displayed.
NOTE: Ask your network manager for the IP address or host name of the machine.

Web Utilities

To Use Web Utilities (continued)

Web Utilities Window

The Main Page informs you of the current job status of the machine and the maintenance item, if required.

- Service call
- JAM
- Paper supply
- Toner supply
- Staple cartridge supply
- Dispose of Punch trash basket
- PM call

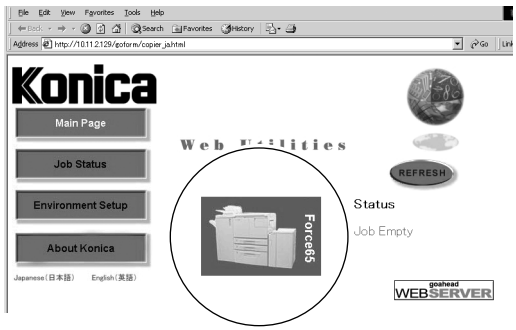
NOTES: Click on [**REFRESH**] in the Web Utilities window to update the information.

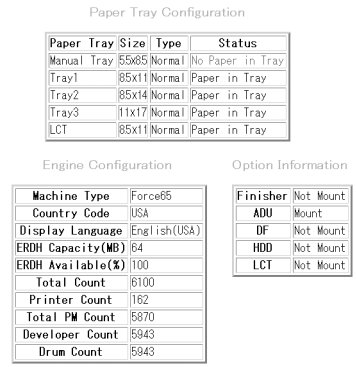
Web Utilities

Machine Information Mode

Follow the procedure below to display the machine information using the web browser.

Web Utilities Window





Paper Tray Configuration

Paper Tray	Size	Type	Status
Manual Tray	55x85	Normal	No Paper in Tray
Tray1	85x11	Normal	Paper in Tray
Tray2	85x14	Normal	Paper in Tray
Tray3	11x17	Normal	Paper in Tray
LCT	85x11	Normal	Paper in Tray

Engine Configuration

Machine Type	Force65
Country Code	USA
Display Language	English(USA)
ERDH Capacity(MB)	64
ERDH Available(%)	100
Total Count	6100
Printer Count	162
Total PM Count	5870
Developer Count	5943
Drum Count	5943

Option Information

Finisher	Not Mount
ADU	Mount
DF	Not Mount
HDD	Not Mount
LCT	Not Mount

1 Open the Web Utilities window.

NOTE: See p. 7-2 for detailed procedure to access the Web Utilities.

2 Click on the Force 65 image.
The window now provides the paper tray configuration, engine configuration, and option information.

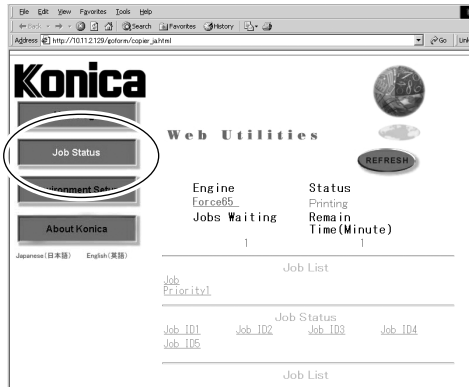
NOTES:
- The same information will be provided also in the Job Status window. See p. 7-5.
- Click on [**REFRESH**] in the window to update the information.

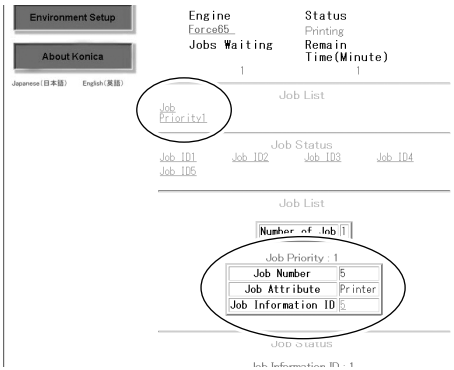
Web Utilities

Job Status Mode

Follow the procedure below to display the current job status, job list including reserved jobs and job information, and information on up to 16 previous jobs.

Web Utilities Window





1 Open the Web Utilities window.

NOTE: See p. 7-2 for detailed procedure to access the Web Utilities.

2 Click on [**Job Status**].
The current job status, number of jobs in waiting, and remaining time to elapse before completing the print job.

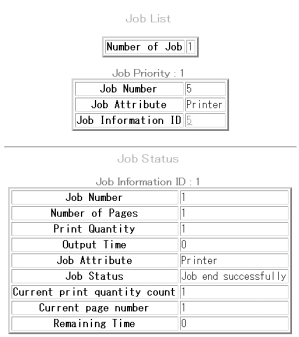
NOTES: • Clicking on the Force 65 image will display the machine information. See p. 7-4.
• Click on [**REFRESH**] to update the information.

3 Display the current job or reserved job information.
Click on the desired [**Job Priority No.**] under the “Job List.” The information on the specified job will appear in the second “Job List” area.

NOTE: If no print job or reserved job exists, “Job Empty” will be displayed in the first “Job List” area.

4 Display the previous job information.
Click on the desired [**Job ID No.**] under the “Job Status.” The information on the specified previous job will appear in the second “Job Status” area.

NOTE: If no print job has been made after the machine is powered on, no indication will appear in the first “Job Status” area.



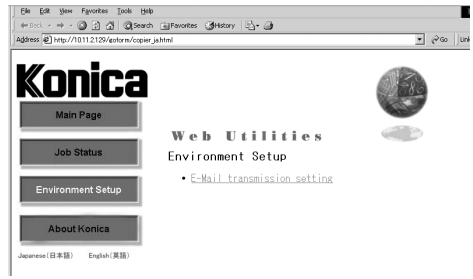
Web Utilities

Environment Setup Mode

To Set E-Mail Transmission Function

Perform the setting concerning the network environment using the web browser.

Web Utilities Window



1 Open the Web Utilities window.
NOTE: See p. 7-2 for detailed procedure to access the Web Utilities.
2 Click on [**Environment Setup**].
3 Display the E-Mail Transmission Setting window.
Enter the 4-digit Key Operator password, then click on [**Apply**].
Click on [**E-Mail transmission setting**]. The E-Mail Transmission Setting window will be displayed.
4 Make the setting.
Enter the IP address of the mail server, IP address of the DNS server (if needed), time difference, and E-mail address to be informed of the machine status.
Click on the check box of the desired transmission item.

Click on [**Apply**] to complete the setting and return to the Web Utilities window.
Clicking on [**Reset**] will void the setting and restore the Web Utilities window.
Clicking on [**Sending test**] will send a test mail to the manager.

NOTE: The Extension for maintenance option will be exclusively used by a service representative.

E-Mail Transmission Setting Window

HOME

Section 8 : Maintenance & Supplies

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Loading Paper in Tray 1 and 2.....8-3
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Maintenance & Supplies

Loading Paper

Paper Indicator ( )

A paper indicator always appears on the tray key of the Basic Screen to indicate the paper level.

Paper Empty Indicator (or)

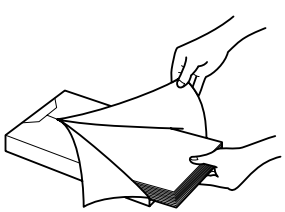
The Paper empty indicator flashes on the tray key of the Basic Screen when a tray is empty. Add paper to the tray when the Paper empty indicator is flashing.

Do not exceed the following tray limits:

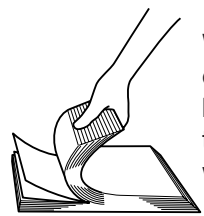
Tray 1:	500 sheets 20lb (430 sheets 24lb)
Tray 2:	500 sheets 20lb (430 sheets 24lb)
Tray 3:	1,000 sheets 20lb (860 sheets 24lb)
LCT:	4,000 sheets 20lb
Multi-sheet bypass tray:	100 sheets 20lb
(Do not load above the thick red line on rear guide.)	

Using the HELP Key

To learn how to load paper at any time, press [HELP], then touch any tray to display instructions on the touch screen. For details on tray position size vs. paper size, see Section 4: Media Information.



Before loading paper, fan the stack to prevent sheets from sticking together.



When placing a stack of paper into the tray, be sure to load it with the curl turning up, i.e., with concave side up.

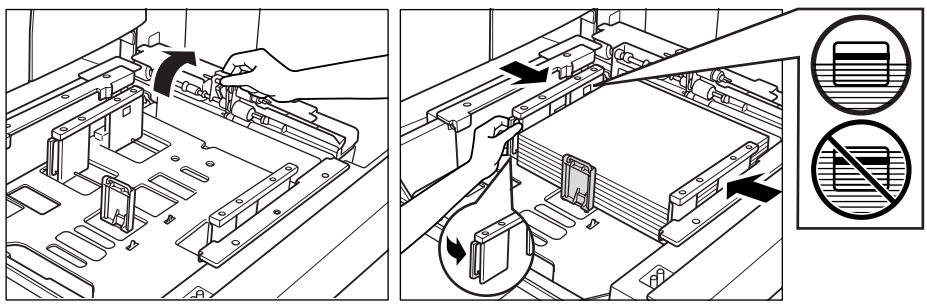
See the following pages for instructions on loading paper in trays 1~3 and LCT.

Maintenance & Supplies

Loading Paper (continued)

Loading Paper in Tray 1 and 2

When Thick or Thin is displayed on the tray key of the Basic Screen, be sure to load the specified paper; otherwise mishandled paper may occur.
When TAB is displayed on the tray key of the Basic Screen, see p. 8-7.



1 Withdraw tray 1 or 2, and open the paper feed roller.
2 Place paper on the tray with the curl side turning up.
Load size 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R or 5.5"x8.5" (user-adjustable)
Do not stack paper above the thick red line.
3 Move the green lever (located at the left side) of the rear paper guide to the edge of the paper.

NOTE: Be sure that the paper guides are securely aligned to the paper; otherwise the machine cannot detect the correct paper size, or prints may not be punched in position.

4 When paper is seated properly, close the paper feed roller.
5 Push the tray back fully into the printer.

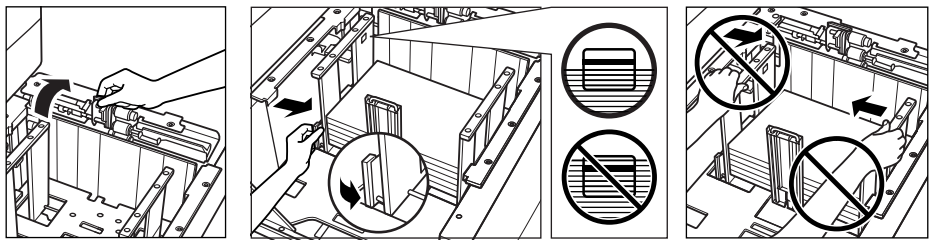
NOTE: Do not bump the tray into the main body; otherwise machine trouble may be caused.

Maintenance & Supplies

Loading Paper (continued)

Loading Paper in Tray 3

When Thick or Thin is displayed on the tray key of the Basic Screen, be sure to load the specified paper; otherwise mishandled paper may occur.
When TAB is displayed on the tray key of the Basic Screen, see p. 8-7.



1 Withdraw tray 3, and open the paper feed roller.
2 Place some paper in the tray with the curl side turning up.
Load size 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R or 5.5"x8.5" (user-adjustable)
3 Move the green lever (located at the left side) of the rear paper guide to the edge of the paper.

NOTES: • Do not hold the upper part of the rear and front paper guides to move them, otherwise they may be damaged.
• Be sure that the paper guides are securely aligned to the paper; otherwise the machine cannot detect the correct paper size, and prints may not be punched in position.

4 Add paper in the tray.
Do not stack paper above the thick red line.
5 When paper is seated properly, close the paper feed roller.
6 Push the tray back fully into the printer.

NOTE: Do not bump the tray into the main body; otherwise machine trouble may be caused.

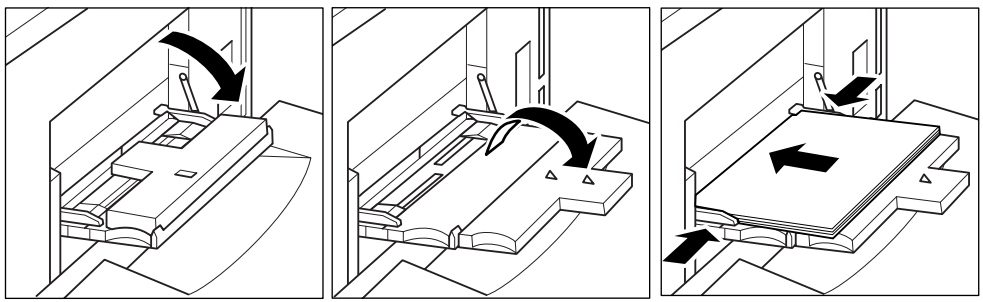
Maintenance & Supplies

Loading Paper (continued)

Loading Paper in Multi-Sheet Bypass Tray

The Multi-sheet bypass tray can be used to stack regular 13 lb~110 lb Bond paper.
When loading tabbed sheets in the Multi-sheet bypass tray, see p. 8-8.

- ❒ Bypass tray paper size: 11"x17"~5.5"x8.5"
- ❒ Bypass tray paper weight range: 13~110 lb (200g/m^2 thick paper)
- ❒ Bypass tray paper capacity: up to 100 sheets 20 lb
- ❒ Bypass tray Transparency film capacity: 1 sheet



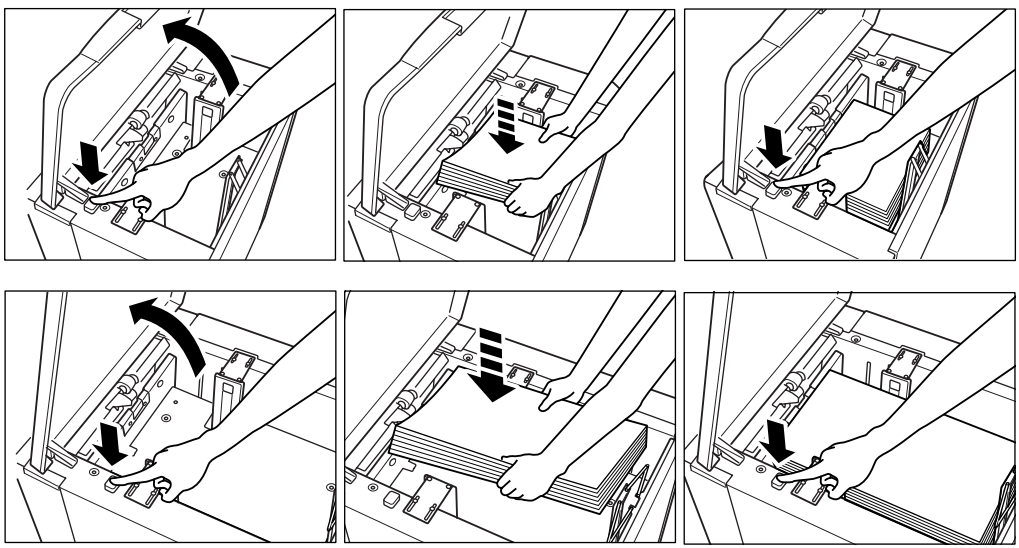
1 Open the Multi-sheet bypass tray located on the right side of the printer.
When loading 11"x17" or 8.5"x14" paper, withdraw the right edge of the Multi-sheet bypass tray.
2 Load print paper, and align the paper guides to the paper size.
Load Transparency film one sheet at a time or stack paper, up to 100 sheets 20 lb Bond.

Maintenance & Supplies

Loading Paper (continued)

Loading Paper in LCT (LT-402/LT-412)

When Thick or Thin is displayed on the tray key of the Basic Screen, be sure to load the specified paper; otherwise mishandled paper may occur.
When TAB is displayed on the tray key of the Basic Screen, see p. 8-9.



1 Open the LCT top door.
2 Press the paper loading button to lower the LCT bottom plate.
3 Load the fixed size paper into the LCT with the paper curl turning downward.
4 Repeat the steps 2 and 3 until the bottom plate cannot go down any more.
Load size 8.5"x11" or A4 (service-adjustable) for LT-402; or load size 11"x17", 8.5"x14", 8.5"x11", 8.5"x11"R, A3, B4, A4, A4R, or F4 for LT-412.
Do not stack paper above the paper hook level.
5 Close the LCT top door.

Maintenance & Supplies

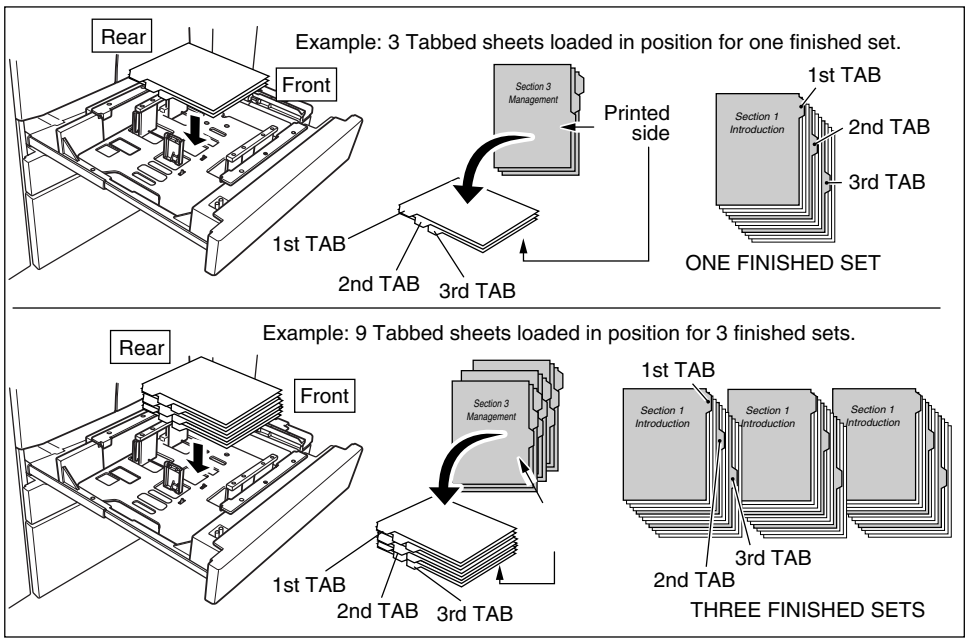
Loading Paper (continued)

Loading Tabbed Sheets in Tray 1, 2, or 3

Load offset tabbed sheets so that the tab extensions are on the left at the rear (not front) of the tray. The tab extension width should be 0.5" (12.5 mm) or less.

When loading tabbed sheets in the tray, be sure to specify the paper type as TAB in the Key Operator mode; otherwise mishandled paper may occur.

The top sheet is designated face down as the first tab of the finished set. Subsequent offset tab sheets follow in sequence.

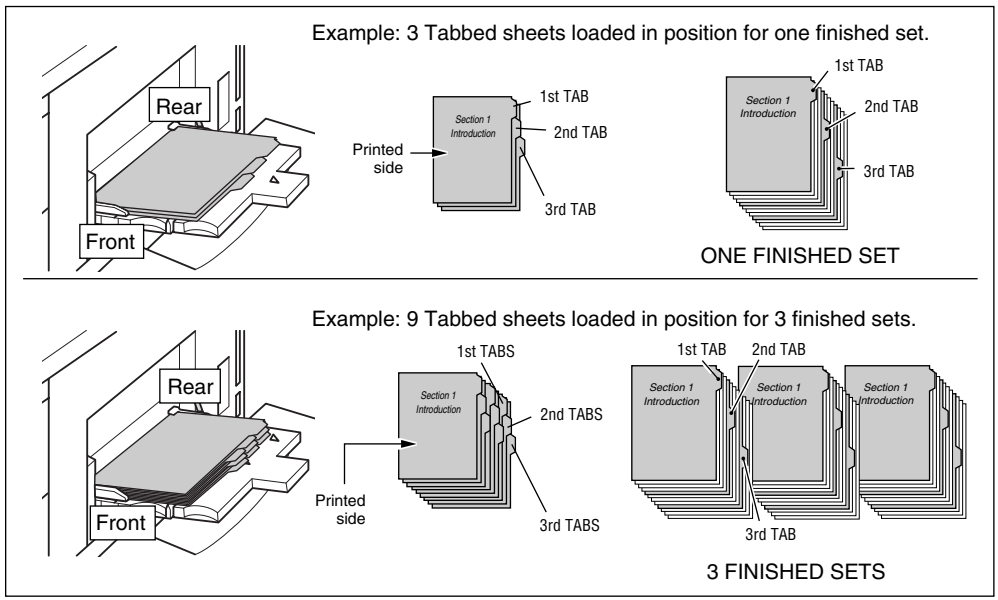


Maintenance & Supplies

Loading Paper (continued)

Loading Tabbed Sheets in Multi-Sheet Bypass Tray

Load offset tabbed sheets so that the tab extensions are on the right at the rear (not front) of the tray. The top sheet is designated face up as the first tab of the finished set. Subsequent offset tab sheets follow in sequence. The tab extension width should be 0.5" (12.5 mm) or less.
When loading tabbed sheets in the Multi-sheet bypass tray, be sure to specify the paper type as Tab paper on the Paper Type/Size Setting Screen; otherwise mishandled paper may occur.



Maintenance & Supplies

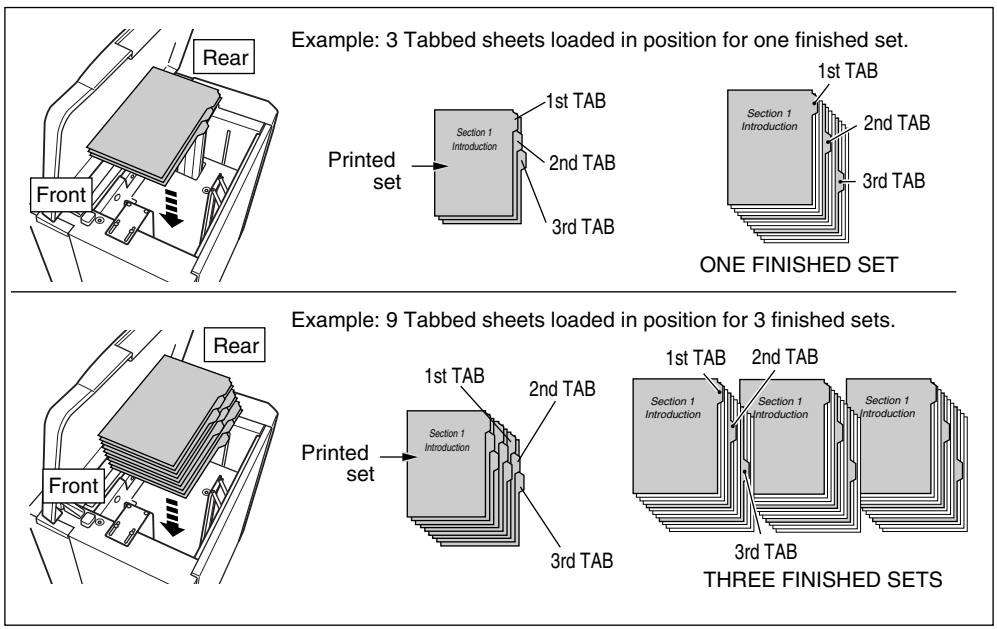
Loading Paper (continued)

Loading Tabbed Sheets in LCT (LT-402/LT-412)

Load offset tabbed sheets so that the tab extensions are on the right at the rear (not front) of the tray. The tab extension width should be 0.5" (12.5 mm) or less.

When loading tabbed sheets in the tray, be sure to specify the paper type as TAB in the Key Operator mode; otherwise mishandled paper may occur.

The top sheet is designated face up as the first tab of the finished set. Subsequent offset tab sheets follow in sequence.



Maintenance & Supplies

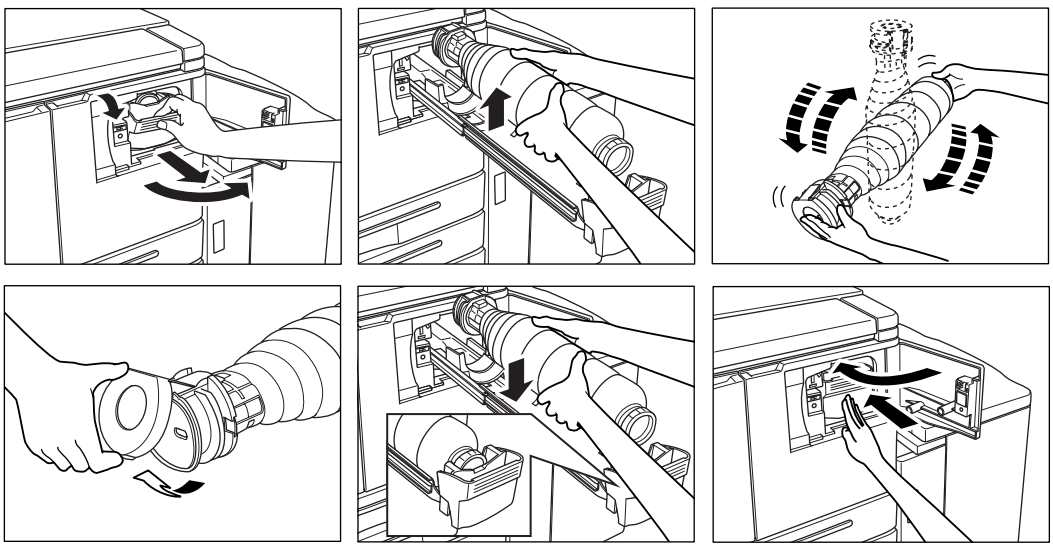
Adding Toner

CAUTION

Keep toner cartridge away from children. Although the toner is non-toxic, do not inhale it or allow it to enter your eyes. If toner comes in contact with eyes, please consult your physician.

When toner supply is low, the message “Please add toner” displays on the touch screen.

NOTE: Use the toner cartridge of the same number as the number described on the label of a toner access door inner side, otherwise the machine trouble may occur.



1 Open the Toner access door.
2 Pull the Toner cartridge holder lever forward and withdraw the Toner cartridge holder.
3 Remove the empty toner cartridge.
4 Shake the new Toner cartridge several times to loosen toner.
5 Remove the Toner cartridge cap.
6 Set the new Toner cartridge into the Toner cartridge holder.

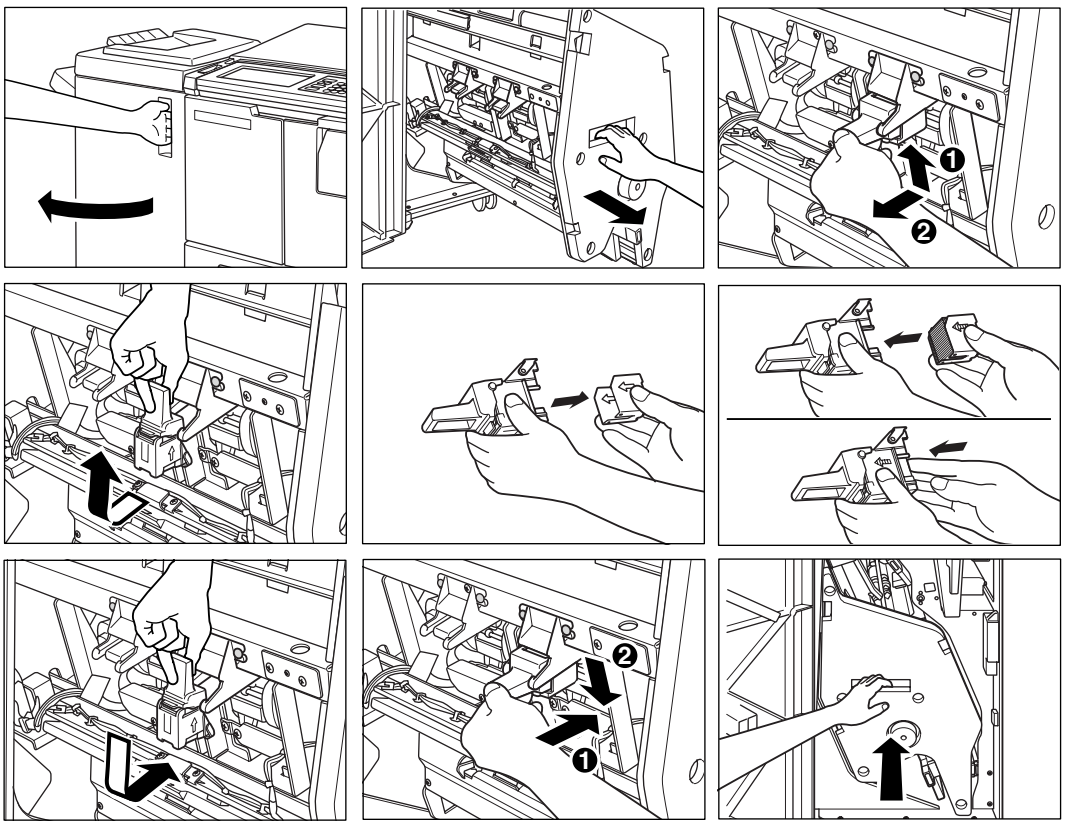
NOTE: Align the rear part of the Toner cartridge with the Toner cartridge holder.

7 Push the Toner cartridge holder lever backward and return the toner cartridge holder to its original position.
8 Close the Toner access door securely.

Maintenance & Supplies

Inserting a New Staple Cartridge into FS-110/210 Finisher

Use only the staples supplied by Konica. Contact your service representative to reorder.



1 Open the Finisher door.
2 Pull out the stacker unit by holding the stacker unit handle.
3 Pull up the cartridge housing, then remove it while sliding it along the stapler rail.
4 Remove the empty cartridge from the cartridge housing.
5 Insert the new cartridge into the housing.

NOTE: Do not remove the staples remaining inside the housing; otherwise, the first sheet output after the replenishment will not be stapled.

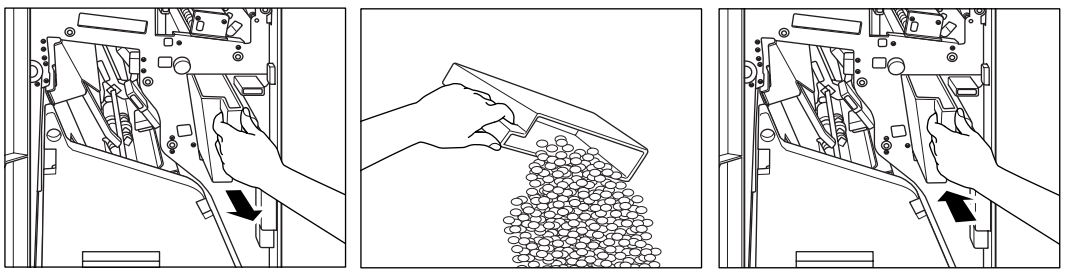
6 Insert the cartridge housing while sliding it along the stapler rail, then push down in to secure it in place.
7 Return the stacker unit to its original position.
8 Close the Finisher door.

Maintenance & Supplies

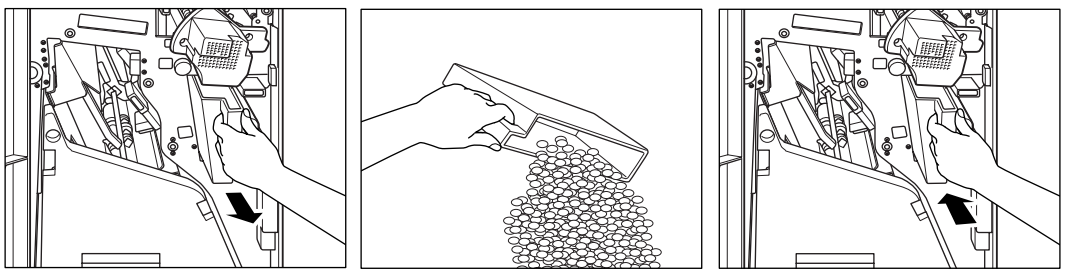
Empty Trash Basket of PK-110/120 Punching Kit

When the trash basket becomes full, “Trash basket of Punching kit is full / Please empty trash basket” message displays on the touch screen.

PK-110



PK-120

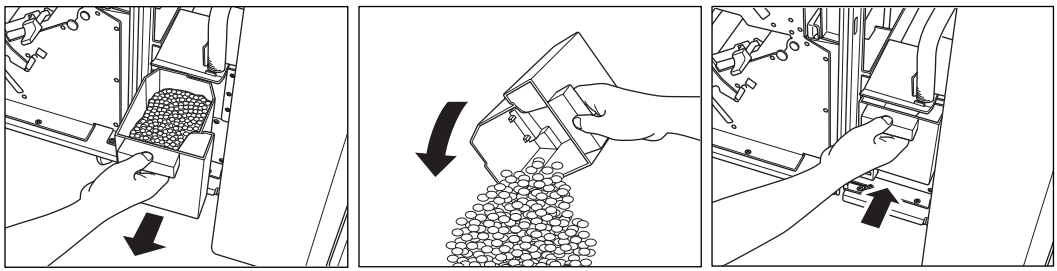


1 Open the Finisher door and withdraw the trash basket.
2 Empty the trash basket.
3 Return the trash basket to its original position, then close the Finisher door securely.

Maintenance & Supplies

Empty Trash Basket of PZ-108 Punching / Z-Folding Unit

When the trash basket becomes full, “Trash basket of Punching unit is full / Please empty trash basket” message displays on the touch screen.



1 Open the Punching / Z-Folding unit front door with the Finisher door and withdraw the trash basket.
2 Empty the trash basket.
3 Return the trash basket to its original position, then close the Punching / Z-Folding unit front door securely.

Maintenance & Supplies

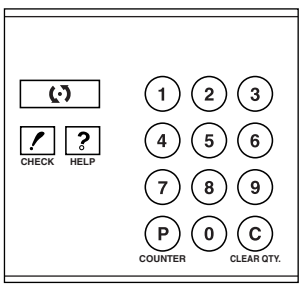
Preventive Maintenance

After a set number of prints have been made on your printer, Preventive Maintenance (PM) will be required for maintaining optimal performance.

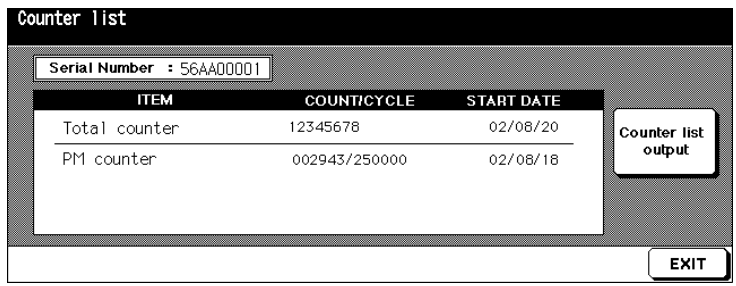
When preventive maintenance is due, a message will prompt you to contact your service representative for maintenance.

Reading the PM Counter

Control Panel



Counter List Screen



1 Press [P (COUNTER)] to display the Counter List Screen.
2 Press [CHECK] to display the PM count on the Counter List Screen.
3 Touch **EXIT** to return to the Basic Screen.

Printing the PM Counter

1 Press [P (COUNTER)] to display the Counter List Screen.
2 Press [CHECK] to display the PM counter on the Counter List Screen.
3 Touch **Counter list output**. The Basic Screen will be displayed.
4 Touch the desired tray key to select the print size.
5 Press [START]. The counter list will be printed out, and the list print mode will be released.

Maintenance & Supplies

Service, Repairs, Supplies

Service
Enter the name and telephone number of your service representative, plus the machine serial number in the space provided below:

_____
(Service Representative)

_____
(Tel. No.)

_____
(Machine Serial No.)

Repairs
When calling for repairs, be sure to have all necessary information at hand, such as the machine serial number and your own telephone number. If print quality is the concern, bring a sample print with you to the phone so that it can be described to your service representative.

Enter the telephone number for Repairs in the space provided below:

_____
(Repairs Tel. No.)

Supplies
Be sure to use only supplies recommended by Konica Business Technologies, Inc. To maintain your supply inventory, check your supplies at regular intervals, and order supply items before they are depleted or nearly depleted.

Enter the telephone number for ordering supplies in the space provided below.

_____
(Supplies Tel. No.)

The PCUA number for the Drum used in the Force 65 printer is: 950549.
No other Drum has been approved for use in this model.

Maintenance & Supplies

Clearing Mishandled Paper

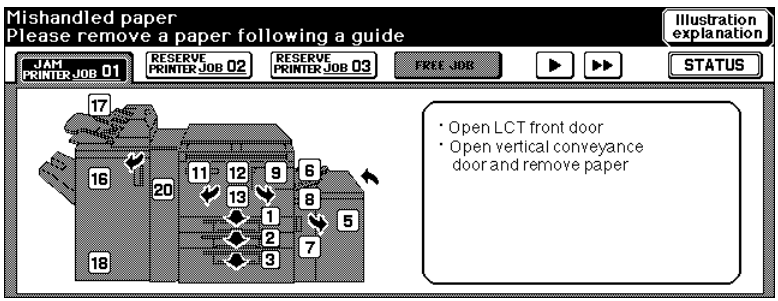
Jam Location Screen

CAUTION:

When removing mishandled paper, be sure to leave no torn paper inside the machine, avoid touching the drum or scratching it in any way, and keep all metal and magnetic objects, e.g., watches, jewelry, etc. away from the drum area.

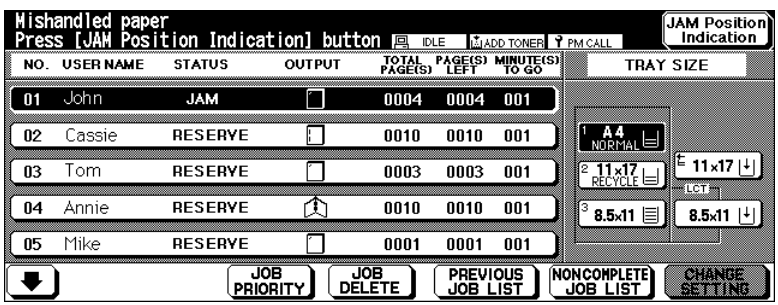
When mishandled paper occurs, the JAM location shown below in Screen 1 indicates which job has the Jam. To see the location of the mishandled paper and to view the Jam removal procedure, touch the **Illustration explanation** key in the upper right portion of the screen. Instructions will be displayed on the screen. If you touch the **STATUS** key or any other tab key the Reservation List Screen displays (see Screen 2 below).

Screen 1



When the jammed job is highlighted on the list shown below, the **JAM Position Indication** key displays in the upper right portion of the screen. If you touch this key, the screen switches to the Jam Location Screen.

Screen 2



Maintenance & Supplies

Printing Hints

PRINTER DOES NOT OPERATE WHEN POWER SWITCH IS ON
Fully insert paper trays.
Close Front doors and Toner access door of main body.
Close Finisher door.
Check to be sure main power switch is ON.
Check to be sure power plug is firmly inserted in electrical socket.

PRINT IMAGE IS TOO LIGHT
Check toner indicator and add toner, if required.
Check paper for dampness. Do not leave paper in printer when humidity is high.

PRINT IMAGE IS NOT CLEAN OR SHOWS SPOTS
Call for service if “Call for service” is displayed in the message area.

PRINT PAPER MISHANDLES DURING PRINTING
Fan print paper and load it with curl side in proper location. Do not exceed the tray capacity.

PRINT IMAGE CAN BE RUBBED OFF
Check print paper thickness. Use Thick paper mode, if paper weight requires it.

PRINT QUALITY IS POOR
Check paper for dampness, and replace it if necessary.

PRINTING DOES NOT RESUME AFTER MISHANDLED PAPER IS REMOVED
Check printer diagram on touch screen for additional indications of mishandled paper.

PRINT IMAGE IS SKEWED WHEN BYPASS IS USED
Be sure print paper is inserted straight.

USING ECM, PRINTS CANNOT BE MADE AFTER PASSWORD IS ENTERED
Check to see if the message EXCEEDS LIMIT is displayed.
Contact Key Operator to reset limit.

FINISHER DOES NOT OPERATE
Check for a paper misfeed and remove it, as required. Properly close finisher door.

ADD TONER MESSAGE IS DISPLAYED
New toner supply is needed. Follow instructions for adding toner.

Maintenance & Supplies

Printing Hints (continued)

CALL FOR PM IS DISPLAYED IN MESSAGE AREA
Contact your service representative for Preventive Maintenance.

FINISHER STAPLE RESULT IS NOT AS EXPECTED
The 2 staple position functions only on print paper that is loaded vertically (portrait style).

PRINTS SKEW IN THE STAPLED SETS
Check to see if print paper is excessively curled in the tray.
Reload the print paper upside down.

USING PUNCH, PRINTS CANNOT BE PUNCHED
Check to see if the message “Trash basket of Punching kit (unit) is full” is displayed.
Empty the trash basket of Punching kit or Punching / Z-Folding unit.

PRINTS CANNOT BE STAPLED OR PUNCHED IN POSITION
Check to make sure the side guide plates are securely aligned to the print paper in the paper tray to be used.
Check to see if print paper is excessively curled in the tray. Reload the print paper upside down.

HOME

Section 9 : Key Operator Mode

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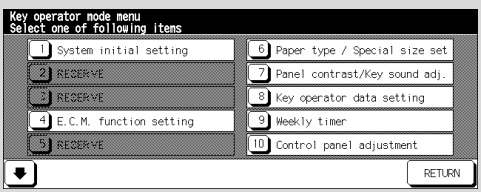
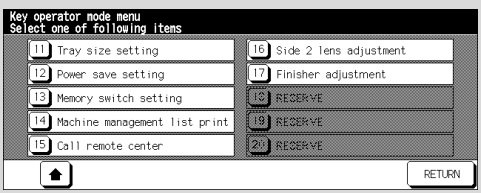




Key Operator Mode

To the Key Operator

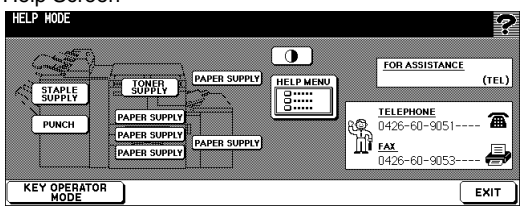
The Key Operator is trained to handle all special Key Operator functions that are not accessible to the general user, such as monitoring overall printer activity, machine performance, and service information, modifying machine settings as well as controlling user activity for billing purposes.

A unique 4-digit Key Operator password is normally set by your service representative at installation. If the unique code is not set by your service representative, the printer will not display Key Operator Password Entry Screen when the Key Operator mode is being accessed; a Key Operator password will not be required. A service-set 8-digit ECM master key code must be entered by the Key Operator to access the Electronic Copy Monitor functions, and a service-set 4-digit Weekly Timer master key code must be entered by the Key Operator to access the Weekly Timer functions.

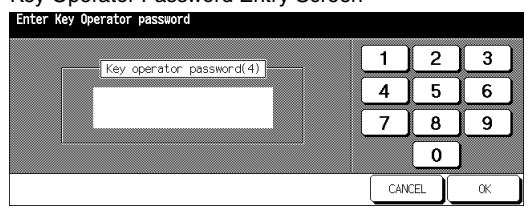
> To ensure the security of Key Operator mode, it is recommended that you establish a unique Key Operator password, along with the Key Operator ECM master key code and Weekly Timer master key code, and keep them in a confidential file.

❒ HELP is unavailable in the Key Operator mode

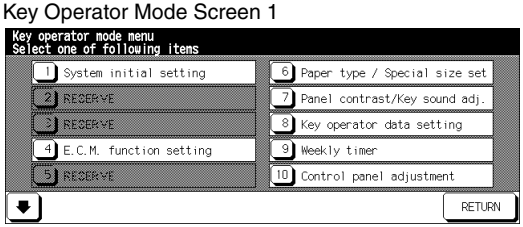
Help Screen



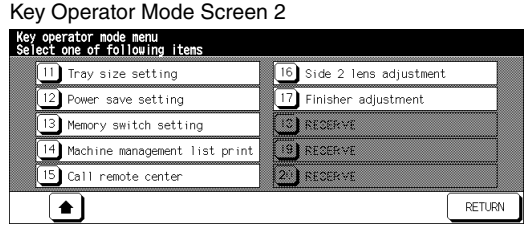
Key Operator Password Entry Screen



Key Operator Mode Screen 1



Key Operator Mode Screen 2



Key Operator Mode

To the Key Operator (continued)

How to Access the Key Operator Mode

1 Press the [HELP] button on the Control panel to display the Help Screen.
2 Touch the **Key Operator Mode** on the Help Screen.
The Key Operator Password Entry Screen displays when the 4-digit Key Operator password is set by your service representative.
Otherwise, the Key Operator Mode Screen displays without the password requirement.
3 If the Key Operator Password Entry Screen is displayed, use the keypad on the touch screen to enter your 4-digit key operator password. Touch **OK** to display the Key Operator Mode Screen. (See note.)
If the Key Operator password is not valid, check with your service representative.
4 To display menus [11] to [20] of the Key Operator Mode Screen, touch the lower arrow key.
To return the menu [1] to [10] of the Key Operator Mode Screen, touch the upper arrow key.
5 Make setting changes from the Key Operator Mode Screen, as described on the following pages.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

Function Menu Map

FUNCTION MENU	SUB FUNCTION MENU AND SETTING OPTIONS
[1] System initial setting	[1] Date&Time setting: [Present time; Setting time; Summer time ON/OFF; Difference in time] [2] Language select setting: [American English] [3] IP address setting: [IP address; Subnetmask; Gateway address; Line speed]
[4] E.C.M. Function setting	[1] E.C.M. data edit: [Change; Add; Delete; Count reset] [2] E.C.M. all count reset: [YES; NO] [3] E.C.M. function setting: [ECM On; ECM Off; Immediately; After job; Warning]
[6] Paper type / Special Size Set	Paper type: [Blank; Normal; Thick; Recycle; Thin; Color; User; Special; Tab paper; Fine; Seal] Special size: [STD size; STD size (special); Non STD size; Wide paper]
[7] Panel contrast / Key Sound Adj.	[Panel contrast; Backlight contrast; Buzzer volume regulation]
[8] Key operator data setting	[Name; Key Operator Tel. No.]
[9] Weekly timer	[1] Weekly timer ON/OFF setting: [On; Off] [2] Timer setting: [ON time; OFF time] [3] Timer action ON/OFF setting: [ON; OFF] [4] Lunch hour off setting: [Valid; Invalid] [5] Timer interrupt password set: [4-digit password]
[10] Control panel adjustment	
[11] Tray Auto Select Setting	ATS/APS switch: [ON; OFF] Tray priority: [Tray 1, Tray 2, Tray 3, LCT, Bypass]
[12] Power save setting	Auto low power: [5, 10, 15, 30, 60, 90, 120, 240] Auto shut off: [---, 30, 60, 90, 120, 240]
[13] Memory switch	[9] Automatic tray switching [20] Job offset operating [21] Continuation print [22] Key click sound [23] 1 SHOT indication time [24] Power save screen [29] Arrow key change (Image Shift) [33] Key click sound (No paper/JAM) [37] Trimmer (STD/Non STD size) [39] Bookmark function [44] Image recalled cont. (SRV)

Key Operator Mode

Function Menu Map (continued)

FUNCTION MENU	SUB FUNCTION MENU AND SETTING OPTIONS
[14] Machine management list print	[1] Job memory list [2] User management list [3] E.C.M. management list [4] Font pattern list
[15] Call remote center	[1] Call for JAM concerns [2] Call for SC concerns [3] Toner bottle supply call [4] Paper supply call [5] Call for Image quality [6] Call for others
[16] Side 2 lens adjustment	[---, -0.1 %, -0.2 %, -0.3 %]
[17] Finisher adjustment	[1] Stapling & Folding stopper adj. [2] Folding stopper adjustment [4] Punch adjustment [5] Z-Folding position adjustment [6] Three-Folding position adj. [7] 2 positions staple pitch adj.

Key Operator Mode

System Initial Setting [1]

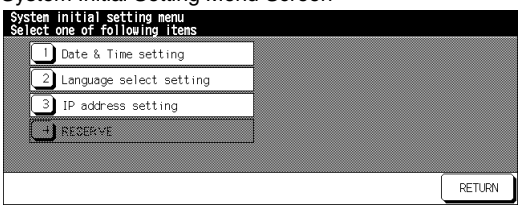
Set the following initial conditions of the printer.
- Date & Time setting: Current date and time, Summer time, Time difference
- Language select setting: Language used in LCD (English)
- IP address setting: IP address for Web Utilities access

Date & Time Setting [1]

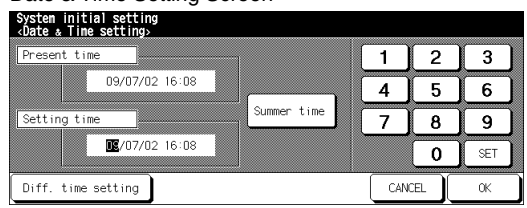
Set the current date and time, the summer time, and also the time difference.

❒ Default setting: Summer time off

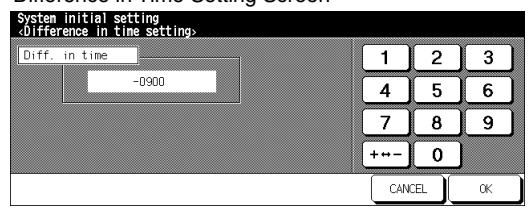
System Initial Setting Menu Screen



Date & Time Setting Screen



Difference in Time Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

2 Touch **[1] System initial setting** to display the System Initial Setting Menu Screen, then touch **[1] Date & Time setting** to display the Date & Time Setting Screen.

3 Adjust the time.
The time indicated by the printer is displayed in the upper line and ordered by date, month, year, and time (in 24-hour expression). In the lower line, the highlighted section can be changed by using the keypad on the screen.
Touch **SET** to move the highlighted section to the number to be changed.

4 To activate the summer time (Daylight Savings Time) function, touch **Summer time** to highlight it. The Present time will gain an hour.

Key Operator Mode

System Initial Setting [1] (continued)

Date & Time Setting [1] (continued)

5 The Difference in time setting is provided in order to give the time difference information at the same time when E-mail is received.
To set this function, follow the procedure below.
(1)Touch **Diff. time setting** to display the Difference in Time Setting Screen.
(2)Touch **+↔–** to display "+" when the local time is earlier than the Universal time, or "–" when the local time is later.
(3)Use the keypad on the screen to enter the time difference between the Universal time and the local time in the machine setting area. (e.g. Enter "–0600" for 6 hours later than the Universal time.)
6 Touch **OK** to update the Present time by the Setting time and return to the System Initial Setting Menu Screen.
7 Touch **RETURN** to restore the Key Operator Mode Screen.
8 Touch **RETURN** to return to the Basic Screen and perform printing operations.

Key Operator Mode

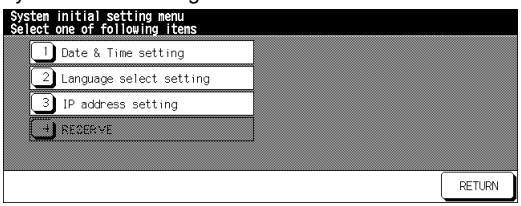
System Initial Setting [1] (continued)

Language Select Setting [2]

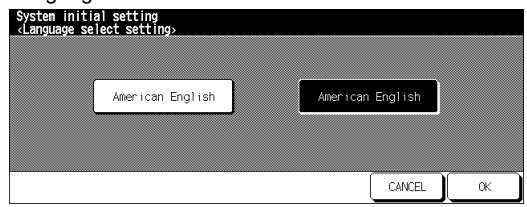
Select the language used in the LCD (English).

❒ Default setting: American English

System Initial Setting Menu Screen



Language Selection Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**. Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

2 Touch **[1] System initial setting** to display the System Initial Setting Menu Screen, then touch **[2] Language select setting** to display the Language Selection Screen.
3 Select the desired English mode.
4 Touch **OK** to complete the setting and return to the System Initial Setting Menu Screen.
5 Touch **RETURN** to restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

Key Operator Mode

System Initial Setting [1] (continued)

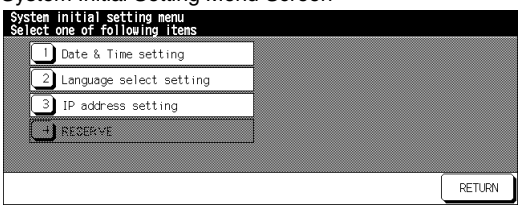
IP Address Setting [3]

When using the server function, this setting is required to enable a PC to gain access to this machine.

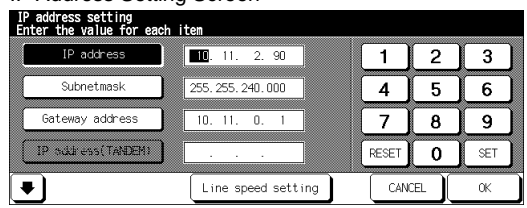
NOTE: Consult your network manager to perform this setting. Incorrect setting may cause a trouble with other network systems.

❒ Setting options: IP address; Subnetmask; Gateway addess, Line speed setting

System Initial Setting Menu Screen



IP Address Setting Screen



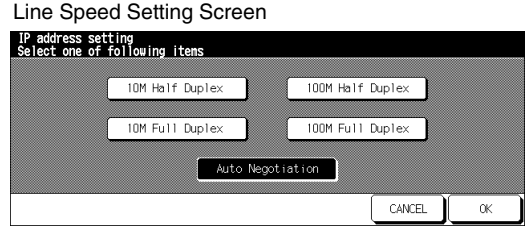
1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**. Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

2 Touch **[1] System initial setting** to display the System Initial Setting Menu Screen, then touch **[3] IP address setting** to display the IP Address Setting Screen.

3 Make the required setting.
Touch to highlight the address key on the left, then enter the address numbers using the screen keypad. Touch **SET** to fix the numbers, or touch **RESET** to clear.

Line Speed Setting Screen



4 When customizing the line speed, touch **Line speed setting** to display the Line Speed Setting Screen. Touch the desired key, then touch **OK** to restore the IP Address Setting Screen.

5 Touch **OK** to complete the setting and return to the System Initial Setting Menu Screen.

6 Touch **RETURN** to restore the Key Operator Mode Screen.

7 Touch **RETURN** to return to the Basic Screen and perform printing operations.

Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4]

This function can only be accessed by the Key Operator after an 8-digit ECM master key code is entered. The Electronic Copy Monitor allows you to monitor all printing activity by controlling ECM password accounts.

This feature can track printer usage for individual users and/or accounts as well as limit printer access to only authorized users. Print quantity limits for specific accounts can also be set. Use the ECM Key Operator Form provided at the end of this section to record ECM password information.

The ECM stores up to 1,000 ECM passwords, each of which represents a separate account that can be used for billing and record keeping. The number of users assigned to each account may depend upon the billing system in operation and the number of individuals and departments using the printer. When the ECM is activated, printing can be performed only after a valid ECM password is entered.
Print quantity and print limits for each account can be visually confirmed on the screen.

If ECM needs to be activated on your machine, contact your service representative.

The following ECM settings can be made:

[1] E.C.M. data edit:
Change, add, or delete ECM data, and reset the print count of the individual account.

[2] E.C.M. all count reset:
Clear the print count for all accounts.

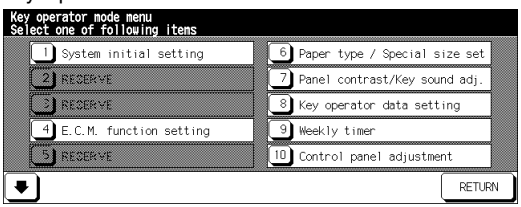
[3] E.C.M. function setting:
Turn the ECM function on or off, and set conditions to stop immediately, stop after job is completed or display a warning message when print limit is reached.

Key Operator Mode

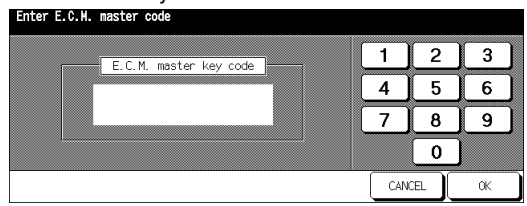
ECM (Electronic Copy Monitor) Function Setting [4] (continued)

How to Access the ECM Setting Mode

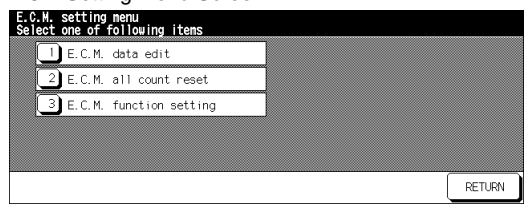
Key Operator Mode Screen



ECM Master Key Code Screen



ECM Setting Menu Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
If the Key Operator password is not valid, check with your service representative.
2 Touch **[4] E.C.M. function setting**. The ECM Master Key Code Screen displays if a code is required.
3 Use the keypad on the touch screen to enter your 8-digit ECM master key code, then touch **OK** to display the ECM Setting Menu Screen. (See note 2.)
4 Select the desired ECM function, and make settings as required.
To exit the ECM mode, touch **RETURN** on ECM Setting Menu Screen.
5 Touch **RETURN** on the Key Operator Mode Screen to return to the Basic Screen.

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid ECM master key code is entered, continue by entering the valid 8-digit code. The ECM master key code can be set to less than 8 digits by the Memory switch setting of the Key Operator function.

Key Operator Mode

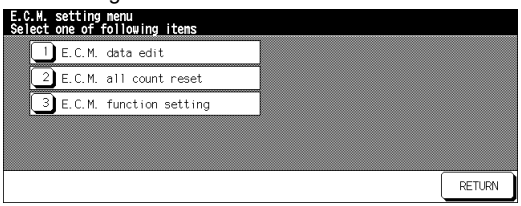
ECM (Electronic Copy Monitor) Function Setting [4] (continued)

E.C.M. Data Edit [1]

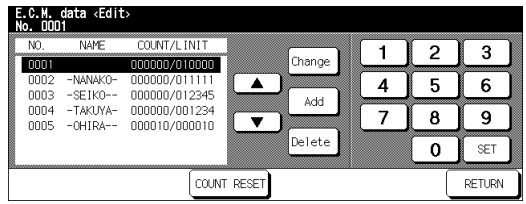
Use this setting to display the list of print count and print limit for each account, to change, add, or delete the ECM data, and to reset the print count of the individual account.

- ECM No.: Designated by Key Operator
- ECM Password: Unique 8-digit numeric code programmed by Key Operator for user
- User Name: Max. 8 characters
- Print Limit: 0 to 999,999 prints

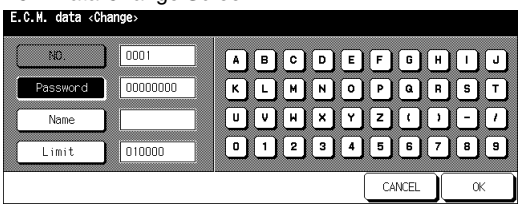
ECM Setting Menu Screen



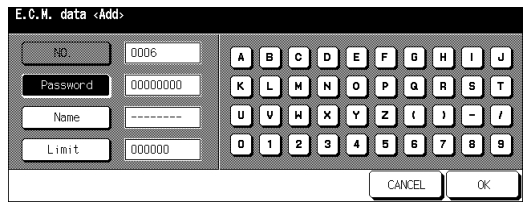
ECM Data Edit Screen



ECM Data Change Screen

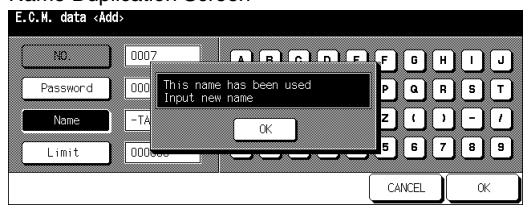


ECM Data Add Screen



Password Duplication Screen

Name Duplication Screen



Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4] (continued)

E.C.M. Data Edit [1] (continued)

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[4] E.C.M. function setting**. The ECM Master Key Code Screen displays, if a code is required.
3 Enter your 8-digit ECM master key code, then touch **OK** to display the ECM Setting Menu Screen. (See note 2.)

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid ECM master key code is entered, continue by entering the valid 8-digit code.

4 Touch **[1] E.C.M. data edit**. The ECM Data Edit Screen will be displayed.
To change, add, or delete the ECM data, and to reset the print count of an individual account, follow the procedure for each as described below.

To Change ECM Data:

(1) Touch ▲ or ▼ key on the right side of the list to highlight the ECM data to be changed, then touch **Change**. The ECM Data Change Screen will be displayed.
(2) Touch the desired item key to highlight it, then enter new data by using the touch screen keypad.
Password: 8 digits max. (See note 3.)
Name: 8 characters max. (See note 4.)
Limit: 999,999 prints max.

NOTES: 3 We recommend that you make a list of all ECM passwords and account numbers.
4 If an invalid user name is entered, continue by entering the valid name.

(3) Touch **OK** to complete the setting and to verify whether the same password or name has been already used for another account number.

When a password is duplicated:
The Password Duplication Screen will be displayed. Touch **YES** to re-enter new password, or **NO** to create duplicate password.

NOTE: 5 If duplicate password is created, the number of prints will be counted only for the ECM password with the smallest number. We recommend you do not use duplicate ECM passwords.

When a name is duplicated:
The Name Duplication Screen will be displayed. Touch **OK** to re-enter new name.

Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4] (continued)

E.C.M. Data Edit [1] (continued)

To Add ECM Data:

(1) Touch **Add** on the ECM Data Edit Screen. The ECM Data Add Screen will be displayed.

(2) Touch the desired item key to highlight it, then enter the data by using the touch screen keypad.

Password: 8 digits max. (See note 1.)
Name: 8 characters max. (See note 2.)
Limit: 999,999 prints max.

NOTES: 1 We recommend that you make a list of all ECM passwords and account numbers.
2 If an invalid user name is entered, continue by entering the valid name.

(3) Touch **OK** to complete the setting and to verify whether the same password or name has been already used for another account number.

When a password is duplicated:
The Password Duplication Screen will be displayed. Touch **YES** to re-enter new password, or **NO** to create duplicate password.

NOTE: If duplicate password is created, the number of copies will be counted only for the ECM password with the smallest number. We recommend you do not use duplicate ECM passwords.

When a name is duplicated:
The Name Duplication Screen will be displayed. Touch **OK** to enter new name.

To Delete ECM Data:

(1) Touch ▲ or ▼ key on the right side of the list to highlight the ECM data to be deleted, then touch **Delete**. The Delete Confirmation Screen will be displayed.

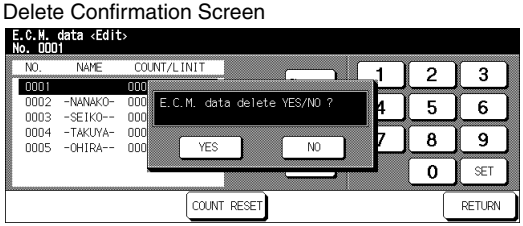
(2) Touch **YES** to delete, or **NO** to cancel.

To Clear ECM Count:

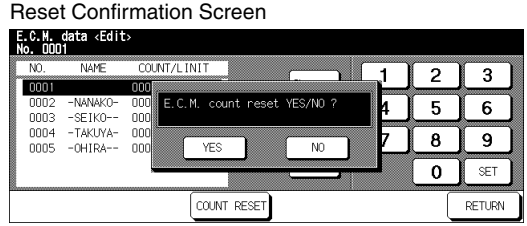
(1) Touch ▲ or ▼ key on the right side of the list to highlight the desired ECM data, then touch **COUNT RESET**. The Reset Confirmation Screen will be displayed.

(2) Touch **YES** to clear the print count of the selected ECM data, or **NO** to cancel.

Delete Confirmation Screen



Reset Confirmation Screen



Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4] (continued)

E.C.M. Data Edit [1] (continued)

5 Touch **RETURN** on the ECM Data Edit Screen to return to the ECM Setting Menu Screen. If other ECM setting changes are required, touch the desired key, from [1]~[3].
6 Touch **RETURN** to restore the Key Operator Mode Screen.
7 Touch **RETURN** to return to the Basic Screen and perform printing operations.

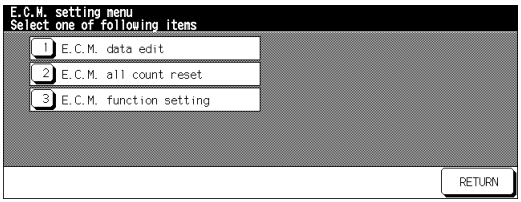
Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4] (continued)

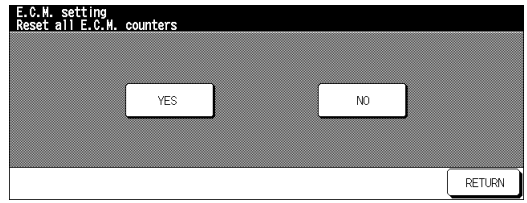
E.C.M. All Count Reset [2]

Reset the count for all ECM accounts.

ECM Setting Menu Screen



ECM All Count Reset Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[4] E.C.M. function setting**. The ECM Master Key Code Screen displays, if a code is required.
3 Enter your 8-digit ECM master key code, then touch **OK** to display the ECM Setting Menu Screen. (See note 2.)
4 Touch **[2] E.C.M. all count reset**. The ECM All Count Reset Screen will be displayed.
5 Touch **YES** to reset all counters to zero and to return to the ECM Setting Menu Screen or touch **NO** to cancel.
Touching **RETURN** will also cancel this function and return to the ECM Setting Menu Screen.
6 If other ECM setting changes are required, touch the desired key, from [1]~[3].
7 Touch **RETURN** to restore the Key Operator Mode Screen.
8 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid ECM master key code is entered, continue by entering the valid 8-digit code.

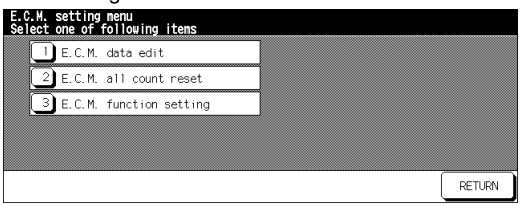
Key Operator Mode

ECM (Electronic Copy Monitor) Function Setting [4] (continued)

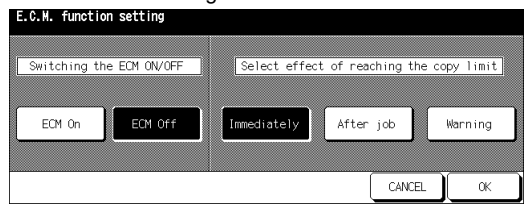
E.C.M. Function Setting [3]

Use this function to turn ECM On or Off and to select whether the printer will stop at the time the count limit is reached, or after the print job in progress is completed.

ECM Setting Menu Screen



ECM Function Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[4] E.C.M. function setting**. The ECM Master Key Code Screen displays, if a code is required.
3 Enter your 8-digit ECM master key code, then touch **OK** to display the ECM Setting Menu Screen. (See note 2.)
4 Touch **[3] E.C.M. function setting**. The ECM Function Setting Screen will be displayed.
5 Touch **ECM On** to activate ECM or touch **ECM Off** to de-activate ECM.
The selected key will be highlighted.
6 Touch **Immediately** to stop the machine at once if the print limit is reached.
In this case, print conditions selected for the job in progress will be cleared. To continue the job using the same user password, change the print limit of the password or clear the print count.
Touch **After job** to stop the machine after the job in progress is completed, if print limit is reached.
Touch **Warning** only to display a warning message if print limit is reached.
The selected key will be highlighted.
7 Touch **OK** to complete the setting and return to the ECM Setting Menu Screen. If other ECM setting changes are required, touch the desired key, from [1]~[3].
8 Touch **RETURN** to restore the Key Operator Mode Screen.
9 Touch **RETURN** to return to the Basic Screen and perform printing operations.

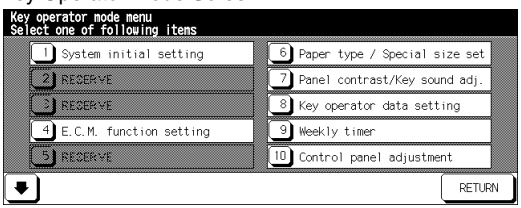
NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid ECM master key code is entered, continue by entering the valid 8-digit code.

Key Operator Mode

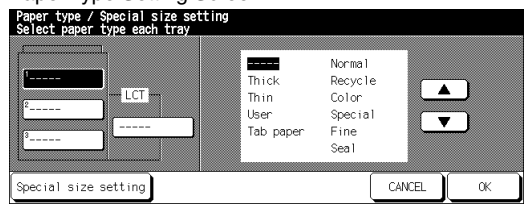
Paper Type / Special Size Set [6]

Use this function to indicate a specific paper type or to specify a special paper size for each tray key on the Basic Screen. This is especially useful when special paper is used on a regular basis and is always placed in a specific paper tray.

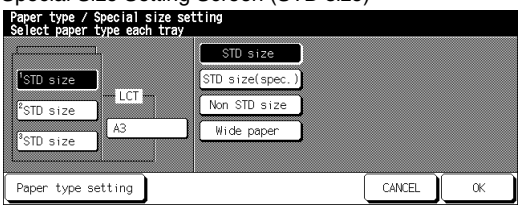
Key Operator Mode Screen



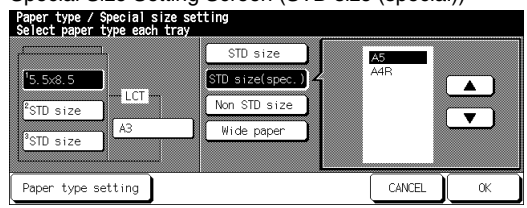
Paper Type Setting Screen



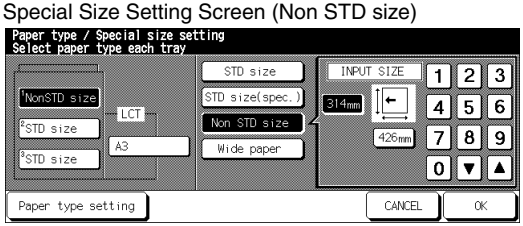
Special Size Setting Screen (STD size)



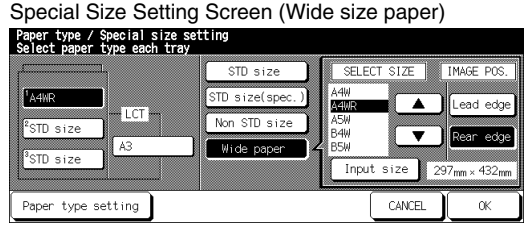
Special Size Setting Screen (STD size (special))



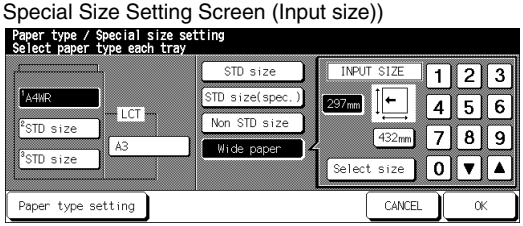
Special Size Setting Screen (Non STD size)



Special Size Setting Screen (Wide size paper)



Special Size Setting Screen (Input size))



Key Operator Mode

Paper Type / Special Size Set [6] (continued)

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
2 Touch **[6] Paper type / Special size set** to display the Paper Type Setting Screen.

To specify paper type:
(1)Touch the desired paper tray key to highlight it.
(2)Touch the arrow keys to select paper type.

To specify special size:
(1)Touch **Special size setting** on the Paper Type Setting Screen to display the Special Size Setting Screen.
(2)Touch the desired paper tray to highlight it.
(3)Touch a paper size key to specify a paper size for the selected tray.
- Select **STD size** to allow the machine to automatically detect the size of paper loaded in the tray and indicate it on the tray key.
- Select **STD size (special)** to display the popup menu to show available paper sizes to be specified. Use arrow keys on the popup menu to select the desired size.
- Select **Non STD size** to display the popup menu to enter the paper size by using arrow keys or touch screen keypad.
- Select **Wide paper** to display the popup menu to show available wide paper sizes to be specified. Use arrow keys on the popup menu to select the desired wide size.

Touch **Lead edge** or **Rear edge** to select the image starting position.
Then, touch **Input size** to display the popup menu to enter the paper size by using arrow keys or touch screen keypad.

3 Touch **OK** on the Paper Type Setting Screen or on the Special Size Setting Screen to complete the setting and return to the Key Operator Mode Screen.
4 Touch **RETURN** to return to the Basic Screen and perform printing operations.

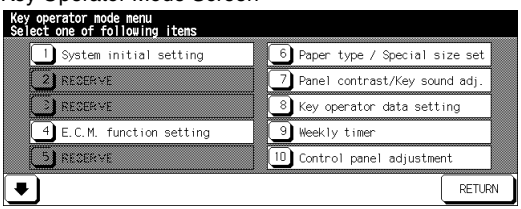
NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

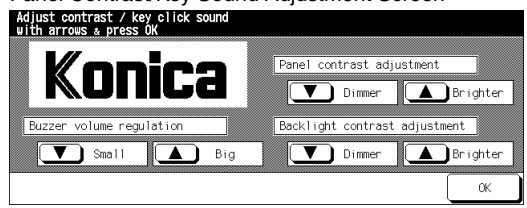
Panel Contrast / Key Sound Adjustment [7]

Use this feature to adjust the level of brightness of the touch screen portion of the control panel, and also the volume of the touch key.

Key Operator Mode Screen



Panel Contrast/Key Sound Adjustment Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[7] Panel contrast/Key sound adj.** to display the Panel Contrast/Key Sound Adjustment Screen.
3 Adjust the Panel contrast, Backlight contrast, or Buzzer volume, as desired.
Touch **Dimmer** to make the panel or backlight contrast dimmer than currently displayed, or touch **Brighter** to make the panel or backlight contrast brighter than currently displayed.
Touch **Small** or **Big** to regulate the buzzer volume of the touch keys.
4 Touch **OK** to complete the setting and return to the Key Operator Mode Screen.
5 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 The control panel contrast feature can be adjusted from the Help screen, provided the feature setting is activated by your service representative. When the Control panel contrast key is pressed, the Contrast Adjustment Screen will be displayed. Contact your service representative if the feature is required.

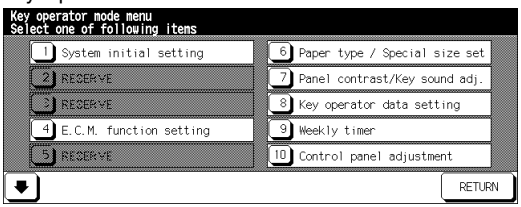
Key Operator Mode

Key Operator Data Setting [8]

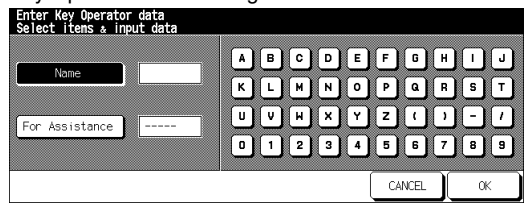
Use this screen to enter the name and extension number of the Key Operator indicated on the Help Screen that develops from the Basic Screen.

❒ Setting options: 5-digit Key Operator telephone extension; Max. 8-character Key Operator name

Key Operator Mode Screen



Key Operator Data Setting Screen


Enter Key Operator data
Select items & input data
Name
For Assistance

A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z ( ) - /
0 1 2 3 4 5 6 7 8 9
CANCEL
OK

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**. Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
2 Touch **[8] Key operator data setting** to display the Key Operator Data Setting Screen.
3 Touch **Name** to highlight it, then enter the key operator name up to 8 characters from the touch screen keypad.
4 Touch **Key Operator Tel. No.** to highlight it, then enter a 5-digit extension number from the touch screen keypad. If the extension number is less than 5 digits, use a hyphen [-] to make it five. The hyphen added in the beginning will be indicated as a space on the Help Screen.
5 Touch **OK** to complete the setting and return to the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

Weekly Timer [9]

This function can be accessed only by the Key Operator after a unique 4-digit Weekly Timer master key code is entered.

The Weekly Timer is a printer management function that shuts down power to the machine on a daily or hourly basis, and can be programmed specifically for lunch breaks, weekends and holidays, or any time the printer is not required.
In addition, Timer Interrupt can be enabled (with or without a password requirement) to allow temporary use of the machine during periods when power is shut down by the Timer function.

Conditions required to use the Weekly Timer
- The power plug is inserted into the socket.
- The power switch is turned on.
- The current date and time are correctly set.

If the Weekly Timer needs to be activated on your machine, contact your service representative.

The following Weekly Timer settings can be made.

[1] Weekly timer ON/OFF setting
Enable and disable the Timer function.

[2] Timer Setting
Specify the times that the printer will turn ON and OFF for each day of the week or the entire week.

[3] Timer action ON/OFF Setting
Specify the working days of the machine by the Timer, for all Mondays through Sundays, and/or individually for each day of the specified month.

[4] Lunch hour off setting
Specify the lunch time interval during which the printer will turn off and on.

[5] Timer interrupt password set
Require Password entry for the Timer off function and establish the amount of usage time.

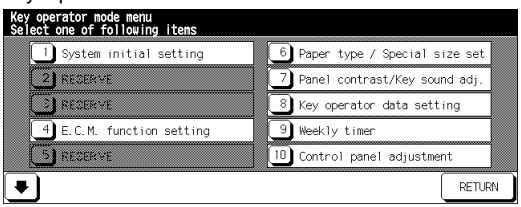
NOTES: 1 The time is set in terms of the 24 hour clock, where hour [1] is the first hour after midnight; and hour [24] is midnight. For example, 6 a.m. is 06:00 hours; 6 p.m. is 18:00 hours.
2 The [AUTO RESET] key is used to change numbers determined by the **SET** touch key.

Key Operator Mode

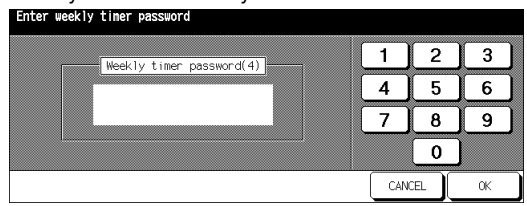
Weekly Timer [9] (continued)

How to Access the Weekly Timer Setting Mode

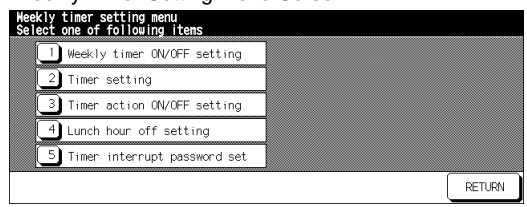
Key Operator Mode Screen



Weekly Timer Master Key Code Screen



Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[9] Weekly timer**.
The Weekly Timer Master Key Code Screen displays, if a code is required.
3 Use the keypad on the touch screen to enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)
4 Select the desired Weekly Timer function, and make settings, as required.
5 To exit the Weekly timer mode, touch **RETURN** on the Weekly Timer Setting Menu Screen.
6 To exit the Key Operator mode, touch **RETURN** on the Key Operator Mode Screen. The Basic Screen will be displayed.

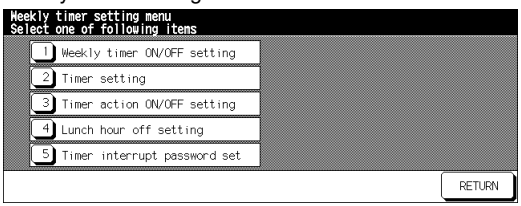
NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

Key Operator Mode

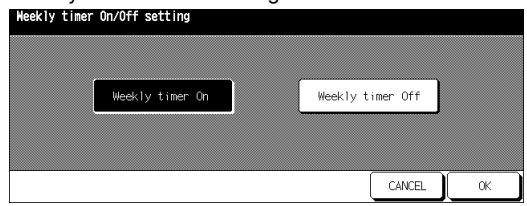
Weekly Timer [9] (continued)

Weekly Timer On/Off Setting [1]

Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

Weekly Timer On/Off Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[9] Weekly timer**. Enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)
3 Touch **[1] Weekly timer ON/OFF setting** to display the Weekly Timer On/Off Setting Screen.
4 Touch **Weekly timer On** to activate Weekly Timer, or touch **Weekly timer Off** to de-activate Weekly Timer. The default setting is Weekly Timer Off.
The selected key will be highlighted.
5 Touch **OK** to complete the setting and return to the Weekly Timer Setting Menu Screen. If other Weekly Timer setting changes are required, select the desired menu item, from [1]~[5].
6 Touch **RETURN** to restore the Key Operator Mode Screen.
7 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

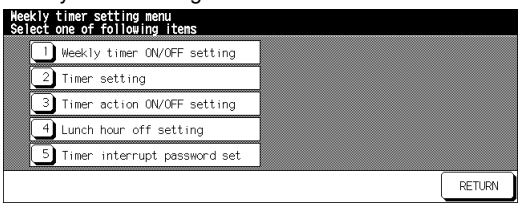
Key Operator Mode

Weekly Timer [9] (continued)

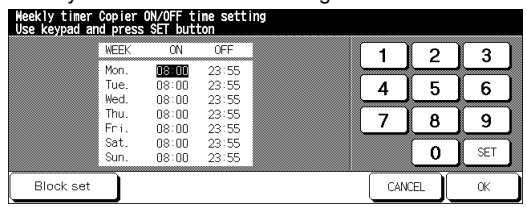
Timer Setting [2]

Use this function to set the On/Off times in hours and minutes for each day of the week or set the collective time for the entire week, i.e., the same On/Off time for each day.

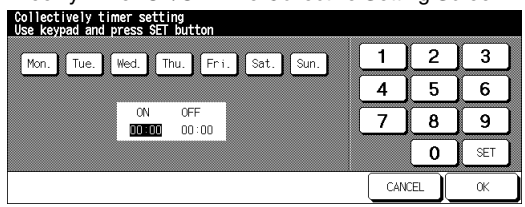
Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

Weekly Timer On/Off Time Setting Screen



Weekly Timer On/Off Time Collective Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)

2 Touch **[9] Weekly timer**. Enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

3 Touch **[2] Timer setting** to display the Weekly Timer On/Off Time Setting Screen.

4 When the screen is displayed, the ON-time of Monday is always highlighted.
Enter a 2-digit ON-hour (ex. 8 a.m. is 08) and a 2-digit ON-minute (ex. 7 min. is 07) using the touch screen keypad, and then touch **SET**.
Touching **SET** repeatedly will shift the input section from Monday ON, Monday OFF, Tuesday ON, Tuesday OFF.

NOTES: • If ON-time and OFF-time are the same, power will not go on.
• If the setting is 00:00~00:00, you will not be able to set the printers off/on condition for specific days.

When setting Sunday OFF-time, Monday ON-time is highlighted again. Proceed to step 7.

5 To set the ON/OFF time collectively for more than one day of the week, touch **Block set** to display the Weekly Timer On/Off Time Collective Setting Screen.

Key Operator Mode

Weekly Timer [9] (continued)

Timer Setting [2] (continued)

6 When you open this screen, the ON and OFF times are always set at 00:00~00:00. Touch to highlight the day(s) of the week to be set. More than one can be selected at a time.
Enter the ON-time and OFF-time using the touch screen keypad, and then touch **SET** after each entry.
7 Touch **OK** on the Weekly Timer On/Off Time Setting Screen or on the Weekly Timer On/Off Time Collective Setting Screen to complete the setting, and return to the Weekly Timer Setting Menu Screen. If other Weekly Timer setting changes are required, select the desired menu item, from [1]~[5].
8 Touch **RETURN** to restore the Key Operator Mode Screen.
9 Touch **RETURN** to return to the Basic Screen and perform printing operations.

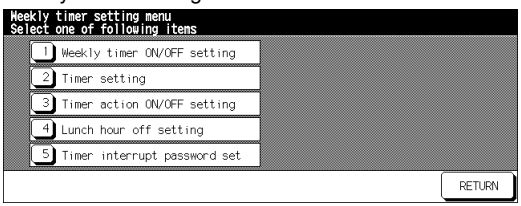
Key Operator Mode

Weekly Timer [9] (continued)

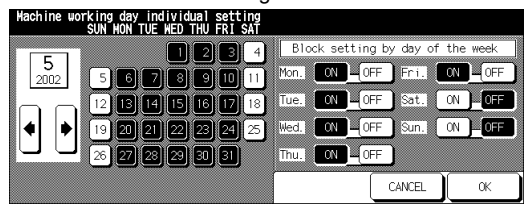
Timer Action On/Off Setting [3]

Use this function to set the On/Off condition of the printer for a given month. Set the On-Off condition for specific days or collectively, for all Mondays through Sundays of the given month. The default setting is collective: On for Mondays through Saturdays, and Off for Sundays.

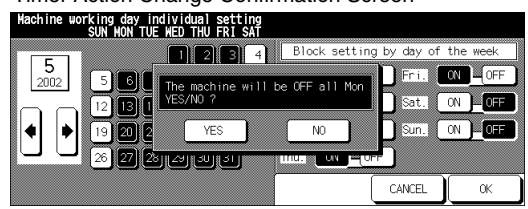
Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

Timer Action On/Off Setting Screen



Timer Action Change Confirmation Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)

2 Touch **[9] Weekly timer**. Enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

3 Touch **[3] Timer action ON/OFF setting** to display the Timer Action On/Off Setting Screen.
The days of the current month are displayed on the left half of the screen, with timer-active days highlighted.

4 To activate or deactivate the Timer for any individual day, touch the key for that day to change its indication.
To change the month, use arrows to scroll to the desired month.

5 To collectively set the on/off data for the entire month by the day of the week, touch the **ON** or **OFF** key for the desired day on the right half of the screen. If you touch an already-highlighted key, no change will occur.

Key Operator Mode

Weekly Timer [9] (continued)

Timer Action On/Off Setting [3] (continued)

6 If any change is made in the collective setting area, the Timer Action Change Confirmation Screen will be displayed.
Touch **YES** to change the timer action, or touch **NO** to cancel.
The Timer Action On/Off Setting Screen will be restored.
7 Touch **OK** on the Timer Action On/Off Setting Screen to complete the setting and return to the Weekly Timer Setting Menu Screen. If other Weekly timer setting changes are required, select the desired menu item, from [1]~[5].
8 Touch **RETURN** to restore the Key Operator Mode Screen.
9 Touch **RETURN** to return to the Basic Screen and perform printing operations.

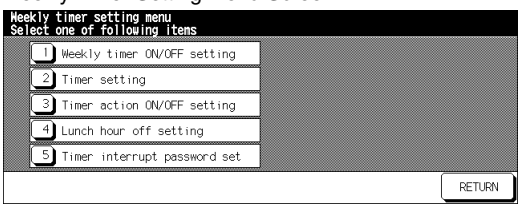
Key Operator Mode

Weekly Timer [9] (continued)

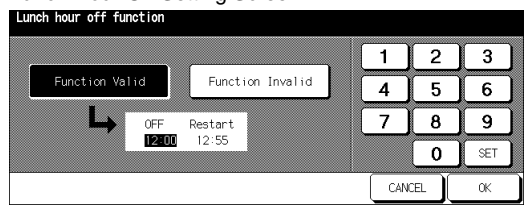
Lunch Hour Off Setting [4]

The Weekly Timer function turns the printer ON and OFF once a day. Use the Lunch hour off function to shut down power during the lunch break and then turn it on again according to the Weekly Timer function setting. Only one off-time interval can be programmed.

Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

Lunch Hour Off Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[9] Weekly timer**. Enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)
3 Touch **[4] Lunch hour off setting** to display the Lunch Hour Off Setting Screen.
4 Touch **Function Valid** to activate the Lunch hour off function. Set OFF-time and Restart-time using the touch screen keypad, and then touch **SET** after each entry.
Touch **Function Invalid** to de-activate the Lunch hour off function. The time setting area will appear grayed out and cannot be selected.
The Function Invalid setting is the factory default setting.
5 Touch **OK** to complete the setting and return to the Weekly Timer Setting Menu Screen.
If other Weekly Timer setting changes are required, select the desired menu item, from [1]~[5].
6 Touch **RETURN** to restore the Key Operator Mode Screen.
7 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

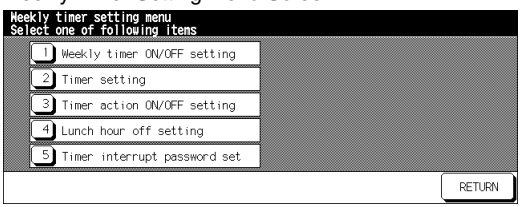
Key Operator Mode

Weekly Timer [9] (continued)

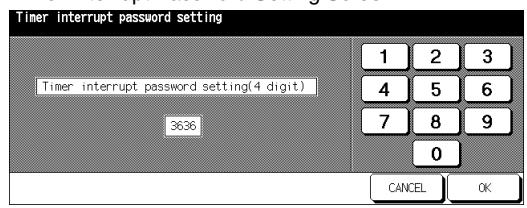
Timer Interrupt Password Setting [5]

Use this password setting mode to establish a 4-digit password requirement for using Timer Interrupt function. The default password of 0000 allows the timer function to be interrupted without the requirement for password entry.

Weekly Timer Setting Menu Screen


Weekly timer setting menu
Select one of following items
1 Weekly timer ON/OFF setting
2 Timer setting
3 Timer action ON/OFF setting
4 Lunch hour off setting
5 Timer interrupt password set
RETURN

Timer Interrupt Password Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**. Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note 1.)
2 Touch **[9] Weekly timer**. Enter your 4-digit Weekly Timer master key code, then touch **OK** to display the Weekly Timer Setting Menu Screen. (See note 2.)

NOTES: 1 If an invalid password is entered, enter the valid 4-digit password.
2 If an invalid Weekly Timer master key code is entered, continue by entering the valid 4-digit code.

3 Touch **[5] Timer interrupt password set** to display the Timer Interrupt Password Setting Screen.
4 Use the touch screen keypad to enter a 4-digit password, and then touch **OK** to complete the setting and return to the Weekly Timer Setting Menu Screen.

NOTE: When the password setting is 0000, Timer Interrupt can be used simply by turning the printer OFF, then ON. In this case, you will be asked to enter the duration of use (a period of time to turn the printer power on).

If other Weekly Timer setting changes are required, select the desired menu item, from [1]~[5].

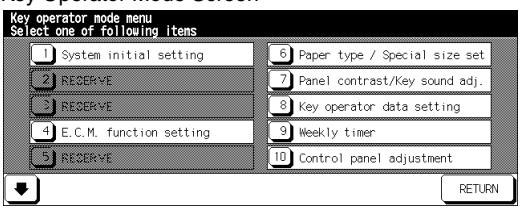
5 Touch **RETURN** to restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

Key Operator Mode

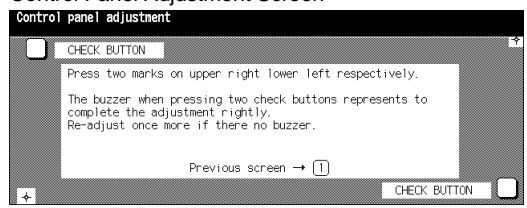
Control Panel Adjustment [10]

Use this feature to check the LCD touch screen and realign the position of touch sensors that may have shifted.

Key Operator Mode Screen



Control Panel Adjustment Screen


Control panel adjustment
CHECK BUTTON
Press two marks on upper right lower left respectively.
The buzzer when pressing two check buttons represents to complete the adjustment rightly.
Re-adjust once more if there no buzzer.
Previous screen → 1
CHECK BUTTON

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**. Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
2 Touch **[10] Control panel adjustment** to display the Control Panel Adjustment Screen.
3 Touch the "**+**" symbol at the upper right corner, then lower left corner on the screen. The present coordinates will be displayed in the message area of the screen.
4 Check that the X coordinate and Y coordinate displayed in the first line of the message area fall within the standard value displayed in the second line.
5 Touch the **CHECK BUTTON**s at the upper left and lower right corners on the screen to check if the buzzer tone functions normally.
6 If the coordinates fall out of the range of the standard value in step 4, or the buzzer tone does not sound in step 5, repeat the adjustment procedure from 3 to 5 or contact your service representative.
7 Press [1] of the control panel keypad to restore the Key Operator Mode Screen.
8 Touch **RETURN** to return to the Basic Screen and perform printing operations.

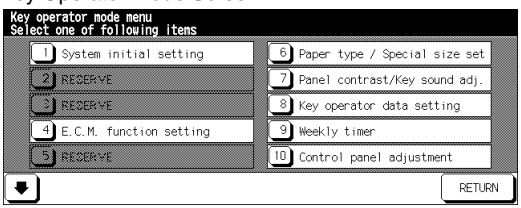
NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

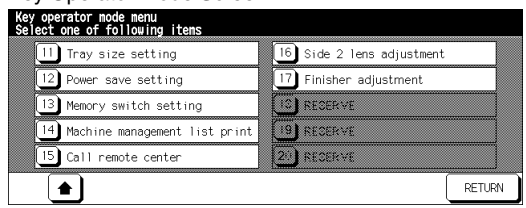
Tray Auto Select Setting [11]

Select whether the tray size setting will be detected or not detected when ATS/APS functions. If you select sizes to be detected, you may also select the priority of the detection for each tray.

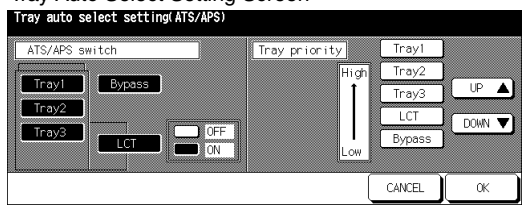
Key Operator Mode Screen 1



Key Operator Mode Screen 2



Tray Auto Select Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the [▼] Lower arrow key.
2 Touch **[11] Tray auto select setting** to display the Tray Auto Select Setting Screen.
3 On the left half of the screen, touch to highlight each tray key, then select **OFF** or **ON** to specify whether the selected tray is to be automatically detected or not when ATS/APS functions.
4 Tray keys specified as ATS/APS ON will appear on the right half of the screen.
Touch to highlight the desired tray key, then change its priority by using **Up** ▲ and **Down** ▼ arrow keys.
5 Touch **OK** to complete the setting and restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

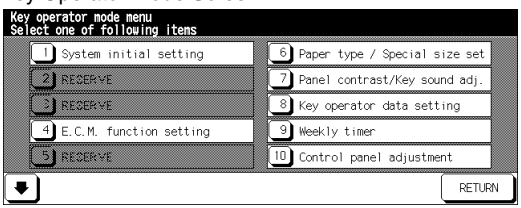
NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

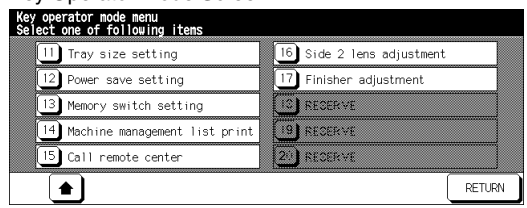
Power Save Setting [12]

Select the interval of time that must elapse before Auto Low Power and Auto Shut Off become activated. Auto Shut Off conserves more energy than Auto Low Power. The period of time selected for Auto Low Power cannot exceed the Auto Shut Off setting.

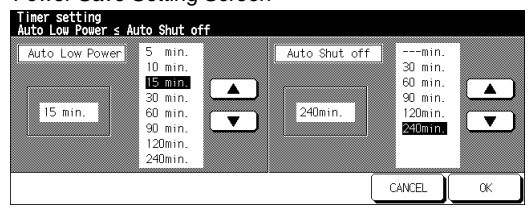
Key Operator Mode Screen 1



Key Operator Mode Screen 2



Power Save Setting Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

To display menus [11] to [20] of the Key Operator Mode Screen, touch the ▼ Lower arrow key.

2 Touch **[12] Power save setting** to display the Power Save Setting Screen.
3 The periods of time currently selected for each power save function are located on the Timer Setting Screen below the Auto Low Power and Auto Shut Off indicators.
Touch the arrow keys (▲) and (▼) in each area to select a specific waiting period before activating the Auto Low Power or Auto Shut Off.

NOTES: 1 The period of time selected for Auto Low Power cannot exceed the Auto Shut Off setting.
2 If the same period of time as Auto Shut Off is selected for Auto Low Power, the Auto Shut Off will function instead of Auto Low Power.

4 Touch **OK** to complete the setting and restore the Key Operator Mode screen.
5 Touch **RETURN** to return to the Basic Screen and perform printing operations.

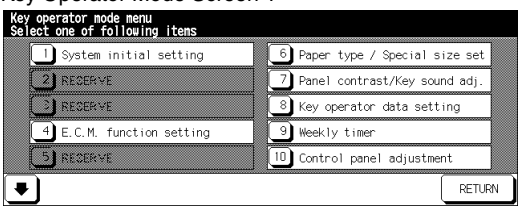
Key Operator Mode

Memory Switch Setting [13]

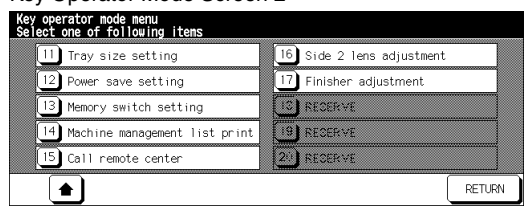
This function allows you to change the Memory Settings listed below. See pp. 9-35~9-36 for details on Memory Settings.

SW No.	Item	Setting (default is underlined)
No. 09:	Automatic tray switching	OFF/ ON
No. 20:	Job offset operating	OFF/ ON
No. 21:	Continuation print	OFF/ ON
No. 22:	Key click sound	OFF/ ON
No. 23:	1 SHOT indication time	3 seconds/ 5 seconds
No. 24:	Power save screen	Shut off mode/ Low power mode
No. 29:	Arrow key change (Image Shift)	Decimal point off (1 STEP 1mm)/ Decimal point on (1 STEP 0.1mm)
No. 33:	Key click sound (No paper/JAM)	OFF/ 3 seconds/ 5 seconds/ 10 seconds
No. 37:	Trimmer (STD/Non STD size) (Function invalid)	STD size/ Non STD size
No. 39:	Bookmark function	ON (It is cancel every JOB)/ ON (It is not cancel every JOB)/ OFF
No. 44:	Exit direction	Face down/ Face up

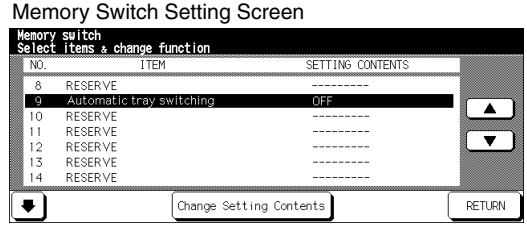
Key Operator Mode Screen 1



Key Operator Mode Screen 2



Memory Switch Setting Screen



Key Operator Mode

Memory Switch Setting [13] (continued)

1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the ⬇ Lower arrow key.
2 Touch **[13] Memory switch setting** to display the Memory Switch Setting Screen.
3 Use the procedure below to select the desired item and change the setting.
(1)To select the desired item, touch the arrow keys (▲) and (▼) at the right of the Memory Switch Setting Screen.
(2)To scroll, touch the arrow keys at the lower left of the screen.
(3)Touch **Change Setting Contents** to change the setting of the highlighted item.
(4)Repeat above steps (1) to (3) to make several changes in succession.
4 Touch **RETURN** to restore the Key Operator Mode Screen.
5 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

The following functions can be provided by the Memory Switch settings.

[9] Automatic tray switching
When paper is depleted during a printing job, the printer continues printing by switching to another tray that contains the same size paper.

[20] Job offset operating
Set the printer to offset the prints of different jobs when outputting multiple reserve jobs in succession.

[21] Continuation print
Set the printer to output multiple reserve jobs in succession.

[22] Key click sound
Activate or deactivate the sound each time a key is pressed on the touch panel .

[23] 1 SHOT indication time
Select the SHOT indication time function.

[24] Power save screen
Select the screen to display when pressing the [POWER SAVER ON/OFF] key .

Key Operator Mode

Memory Switch Setting [13] (continued)

[29] Arrow key change (Image Shift)
Select the 1 step unit of the touch key to specify the shift amount in Image shift.

[33] Key click sound (No paper/JAM)
Select the duration of the buzzer that alerts when the machine is out of paper or when paper has misfed.

[37] Trimmer (STD/ Non STD size) (Function invalid)
Set the machine to allow trimming the folded or stapled & folded sheets in non-standard size (or wide size).

[39] Bookmark function (Function invalid)
Select to set the Bookmark function only for the current job, set for all the following jobs, or deactivate the function.

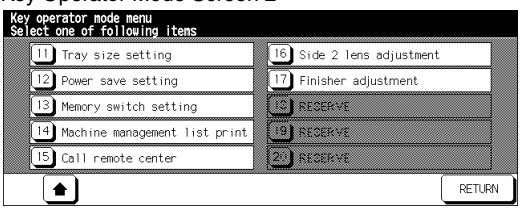
[44] Exit direction
Select to exit face up or face down when making single-sided prints in non-sort or sort mode using finisher primary (main) tray.

Key Operator Mode

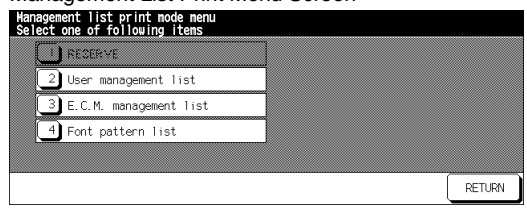
Machine Management List Print [14]

Use this function to print out the list selected from the following items.
- User management list: Home position settings selected by user
- E.C.M. management list: Machine information managed by ECM
- Font pattern list: Font patterns used in the machine

Key Operator Mode Screen 2



Management List Print Menu Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the ▼ Lower arrow key.
2 Touch **[14] Machine management list print** to display the Management List Print Menu Screen.
3 Touch the desired item on the screen. The Basic Screen will resume automatically.
4 Press [START] to start printing the selected list.
To suspend printing, press [STOP]. Press [P] and [C] in order to return to the Management List Print Menu Screen.
5 Touch **RETURN** to restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

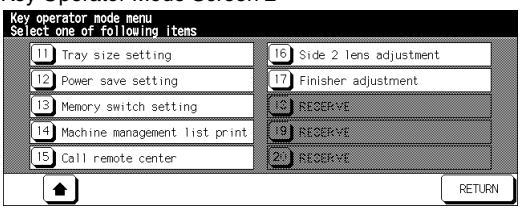
Key Operator Mode

Call Remote Center [15]

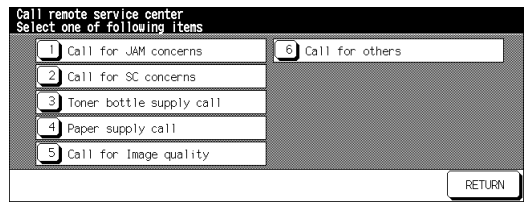
When activated, the Remote Diagnostics option is automatically monitored by your service representative. In case of machine trouble, select the Call Remote Center option. Your service representative will contact you to determine the appropriate means for resolving the problem.

❒ Setting options: Call for JAM concerns; Call for SC concerns; Toner bottle supply call; Paper supply call; Call for image quality; Call for others

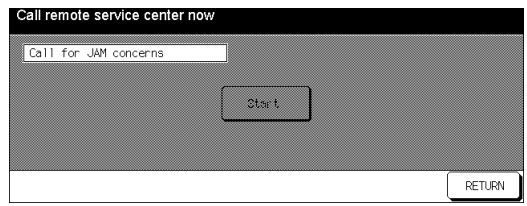
Key Operator Mode Screen 2



Call Remote Service Center Screen


Call remote service center
Select one of following items
1 Call for JAM concerns
2 Call for SC concerns
3 Toner bottle supply call
4 Paper supply call
5 Call for Image quality
6 Call for others
RETURN

Start Call Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the ▼ Lower arrow key.
2 Touch **[15] Call remote center** to display the Call Remote Service Center Screen.
3 Touch **[1] Call for JAM concerns**; **[2] Call for SC concerns**; **[3] Toner bottle supply call**; **[4] Paper supply call**; **[5] Call for Image quality**; or **[6] Call for others**.
The Start Call Screen will be displayed.
4 Touch **Start** to call.
5 Touch **RETURN** to restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

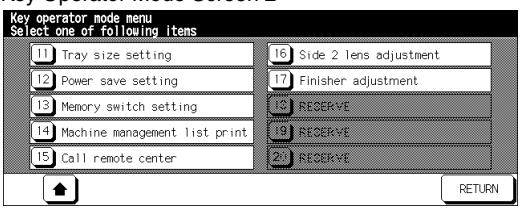
NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

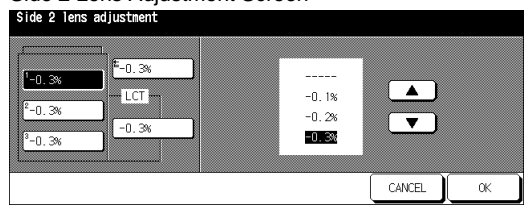
Side 2 Lens Adjustment [16]

Use this function to set the adjustment data of the magnification ratio for each tray as Side 2.

Key Operator Mode Screen 2



Side 2 Lens Adjustment Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the ▼ Lower arrow key.
2 Touch **[16] Side 2 lens adjustment** to display the Side 2 Lens Adjustment Screen.
3 Touch to highlight the desired tray key, then touch arrow keys to select an adjustment data.
The selected data will be displayed on the highlighted tray key.
4 Touch **OK** to complete the setting and return to the Key Operator Mode Screen.
5 Touch **RETURN** to return to the Basic Screen and perform printing operations.

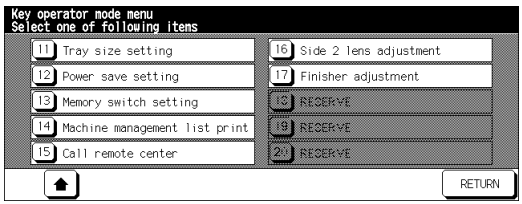
NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

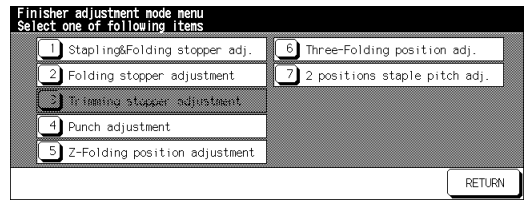
Finisher Adjustment [17]

Use this mode to make fine adjustments to each function of the finisher.

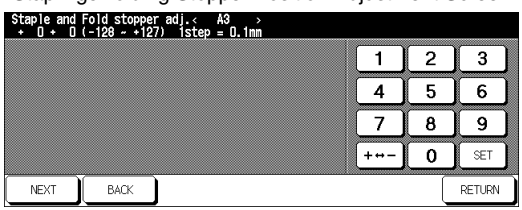
Key Operator Mode Screen 2



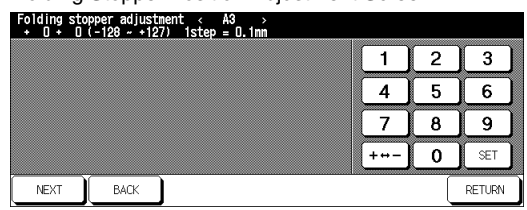
Finisher Adjustment Menu Screen



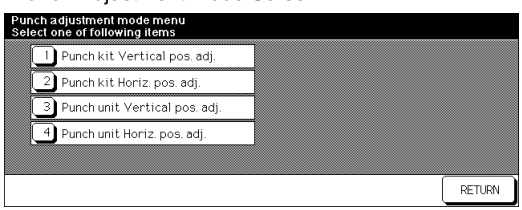
Stapling&Folding Stopper Position Adjustment Screen



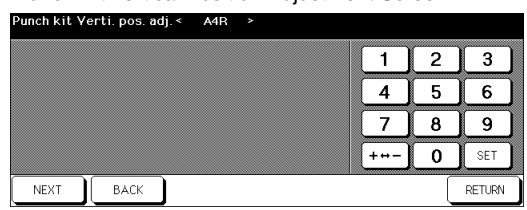
Folding Stopper Position Adjustment Screen



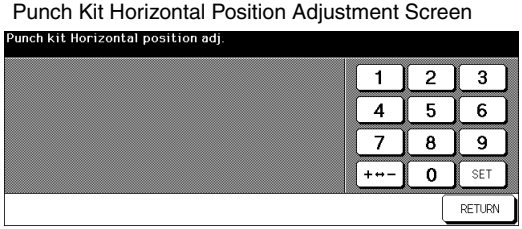
Punch Adjustment Mode Screen


Punch adjustment mode menu
Select one of following items
1 Punch kit Vertical pos. adj.
2 Punch kit Horiz. pos. adj.
3 Punch unit Vertical pos. adj.
4 Punch unit Horiz. pos. adj.
RETURN

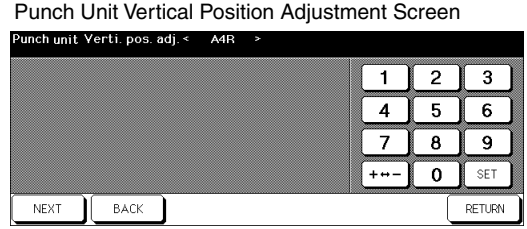
Punch Kit Vertical Position Adjustment Screen



Punch Kit Horizontal Position Adjustment Screen



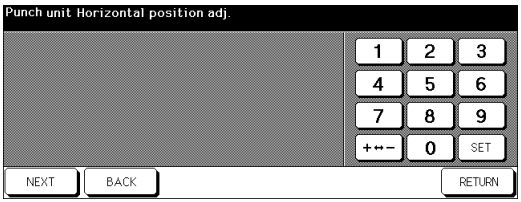
Punch Unit Vertical Position Adjustment Screen



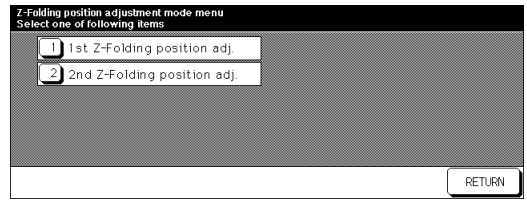
Key Operator Mode

Finisher Adjustment [17] (continued)

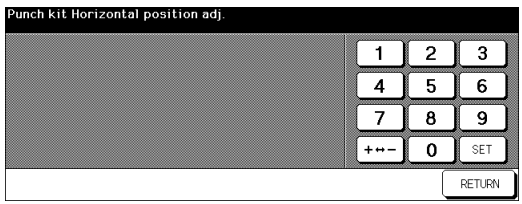
Punch Unit Vertical Position Adjustment Screen



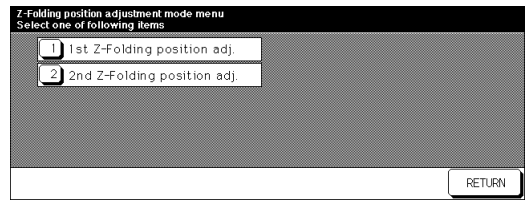
Z-Folding Position Adjustment Menu Screen


Z-Folding position adjustment mode menu
Select one of following items
1 1st Z-Folding position adj.
2 2nd Z-Folding position adj.
RETURN

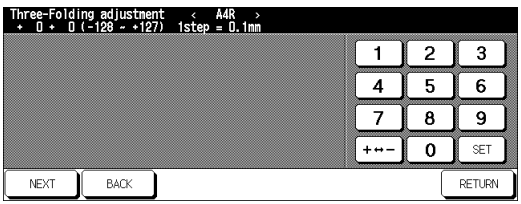
1st Folding Position Adjustment Screen



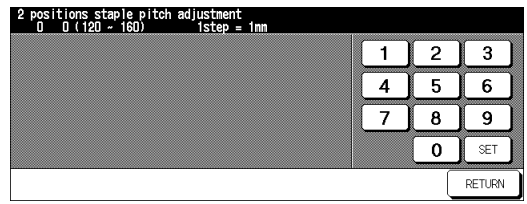
2nd Folding Position Adjustment Screen


Z-Folding position adjustment mode menu
Select one of following items
1 1st Z-Folding position adj.
2 2nd Z-Folding position adj.
RETURN

Three-Folding Position Adjustment Screen



2 Positions Staple Pitch Adjustment Screen



1 Press [HELP] to display the Help Screen, then touch **Key Operator Mode**.
Enter the 4-digit Key Operator password, then touch **OK** to display the Key Operator Mode Screen. (See note.)
To display menus [11] to [20] of the Key Operator Mode Screen, touch the ▼ Lower arrow key.
2 Touch **[17] Finisher adjustment** to display the Finisher Adjustment Menu Screen.
3 Touch the desired menu key to display the adjustment screen for each function.
4 Make fine adjustment on the screen, then touch **RETURN** to restore the Finisher Adjustment Menu Screen.
5 Touch **RETURN** to restore the Key Operator Mode Screen.
6 Touch **RETURN** to return to the Basic Screen and perform printing operations.

NOTE: If an invalid password is entered, enter the valid 4-digit password.

Key Operator Mode

Key Operator ECM Form

No.	Password Count/Limit	No.	Password Count/Limit

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HOME

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